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Seed Annual 1936

TIGRIDIA OR MEXICAN SHELL FLOWER (S. & W. Co.'s Improved Strain)

We offer a very much improved strain of this delightful summer-blooming bulbous plant which is as easy to grow as the gladiolus. Unique mixture of colors.

10 bulbs \$1, 25 bulbs \$2, 100 bulbs \$7.50

Stumpp & Walter Co
NEW YORK CITY



© 1934
NIGRETTE, The New Black Rose
Plant Patent No. 87 \$2 each

Five New and Rare Roses for 1936



CARRIE JACOBS BOND
An Outstanding Rose
Plant Patent Pending
\$1.50 each



MME. JOSEPH
PERRAUD
Gold Medal
Winner, 1934
\$3 each



© 1935
TEXAS CENTENNIAL, An Unusual Rose. \$1 each
© CIA A 193317 Plant Patent Pending



FEU PERNET-DUCHER © 1934
Very Free Bloomer
Plant Patent No. 103
\$1.50 each

THESE really new and unusual
Roses should find a place in
everyone's garden. Highest
praise was given by all who saw
them at the various Rose trials.

We supply these varieties in dormant
plants up to May 15, and in pots after
that date. No change in price.

JAN 14 1936

SEED ANNUAL FOR 1936

OUR business was established in 1897. *This is, therefore, the thirty-eighth annual edition of our Catalogue.* In it we describe new and improved varieties of Flower and Vegetable Seeds, Lawn and Farm Seeds of extreme purity, Bulbs, Plants and Shrubs grown on our own farms, Fertilizers of our own manufacture, and horticultural requisites. Always striving for high quality, we solicit the interest alike of estate owners and superintendents, members of garden clubs, discriminating amateur gardeners, commercial growers, and florists; in short, to all those cultivators, whether they garden for pleasure or profit, who realize the importance of selected strains, and reliability in the Seeds they sow.

We take this opportunity to thank those who have traded with us in the past (thousands of you regularly for many years), and to solicit the business of our readers for 1936.

You will find order-blanks at page 112; note that we include a special blank for plants and nursery stock, because these are dispatched from our nurseries at the proper planting season; while we aim to ship seeds and bulbs the same day your order reaches us, unless you wish otherwise. Time will be saved if orders and correspondence are sent to our New York headquarters.

A Check, Bank Draft, Post-Office or Express Money Order should accompany your order, and if you send currency, be sure to use registered mail.

We will be glad to ship seeds, bulbs, and fertilizers C. O. D., if you wish, but this does not apply to perishable goods, like shrubs or plants, which we cannot send C. O. D. We are glad to open charge accounts on receipt of the usual trade references.

Our prices are net, with no discounts; they are always *subject to change without notice.*

We make no charge for packing domestic shipments, except where special bags are necessary—heavy cotton, seamless, burlap and the like. We charge these at cost, but allow full credit

when they are returned to us, prepaid, with the sender's name and address marked on the bundle.

We are well equipped to make shipments to distant points, through our Export Department, which will take care of the proper packing, delivery to steamer, and the preparation of the necessary documents. Purchaser pays actual charges for transportation and special packing for export shipments.

NON-WARRANTY. In accordance with the established custom of the Seed Trade, we, Stumpp & Walter Co., give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants we send out, and will not be responsible for the crop.

Experienced Gardeners realize that when failures occur—and they should happen but rarely—they usually are due, not to the Seed but to some circumstances of cultivation, soil or climate over which the Seedsman has no control.

Any claim as to shortage, etc., should be made promptly, and it will be adjusted to your satisfaction. Claims should be made within 10 days of receipt of goods; we cannot consider complaints made after this date.

Free Delivery

¶ We deliver Free to any Point in the United States and its Possessions, at prices listed in this Catalogue, all Grass Seeds, Flower Seeds, Vegetable Seeds, Bulbs and Books.

¶ We deliver Free within 50 miles of New York City all merchandise described in this Catalogue, at prices listed therein

Free deliveries are made, at our option, by parcel post, express or freight, to your address or your nearest post office, express office or freight station.

¶ We do not deliver beyond 50 miles of New York City the following:

Lawnspread, Potatoes, Farm Seeds, Field Corn, Clovers, Cereals, Stolons, Plants, Roots, Roses, Nursery Stock, Fertilizers, Garden Supplies, Implements, Insecticides and Fungicides. Purchaser pays transportation charges to the freight agent or express agent on arrival of the merchandise.

Special Note Regarding Roses, Hardy Perennial Plants, Shrubs, and Other Nursery Stock. If your order does not exceed \$5, it probably can travel most economically through the mails. If you wish your merchandise to be sent by parcel post, please include an additional ten per cent (minimum 10 cts.) for postage.

Testing-Gardens and Nursery:
FARMINGDALE, LONG ISLAND

Stumpp & Walter Co.

Bulb Farm:
ISLIP, LONG ISLAND

Headquarters: 132-138 Church St. (Cor. of Warren St.), NEW YORK CITY

NEW YORK PHONES: BA rclay, 7-1110, 7-1111, 7-1112, 7-1113, 7-1114, 7-1115

OUR BRANCHES:

WHITE PLAINS, N. Y.
148-150 Mamaroneck Avenue, at Post Road
Phones: White Plains 9260 and 9261

NEWARK, N. J.
29-31 Central Avenue, at Halsey Street
Phone: Market 4-5595, and 4-5596

HEMPSTEAD, LONG ISLAND
236-238 Fulton Avenue, at Franklin Street
Phone: Hempstead 792

STAMFORD, CONN.
674-676 Main Street, at Grove Street
Phone: Stamford 4-0125

ENGLEWOOD, N. J.
3-5-7 Grand Avenue, at Palisade Avenue
Phone: Englewood 3-5596

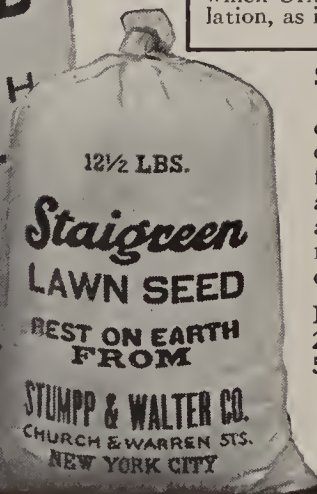
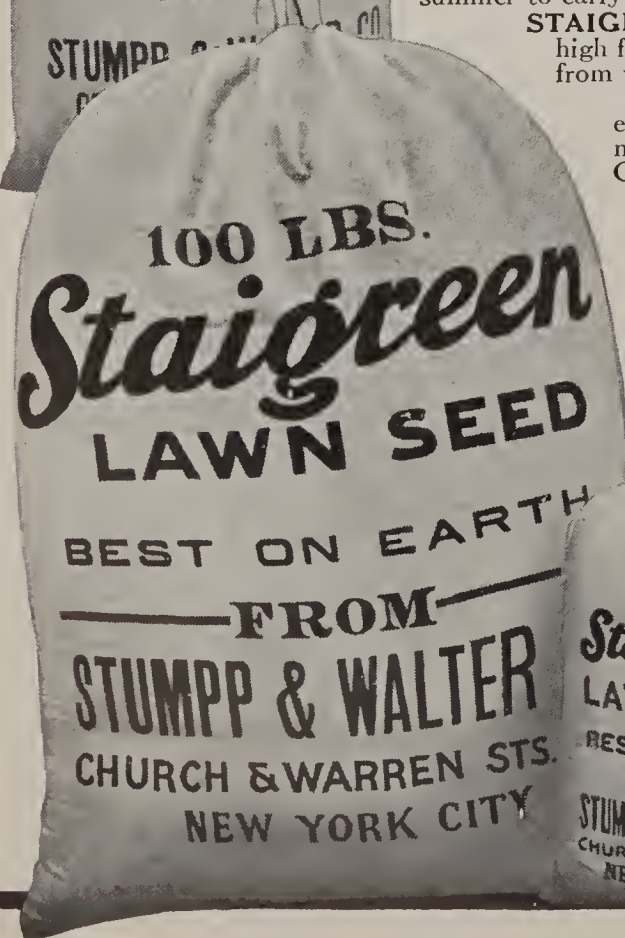
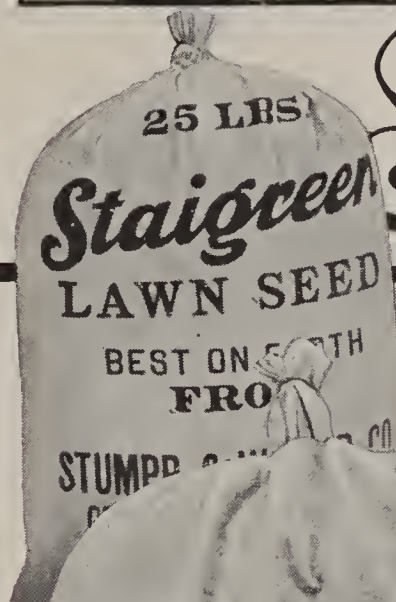
Sales Office for Plants, on our 75-acre farm at Farmingdale, L. I., where perennial, alpine, and other plants we offer are produced.

DON'T EXPERIMENT—WE'VE DONE THAT FOR YOU



Not How Cheap—But How Good
 You can now compare the quality of every mixture
 (Look for our Formula printed on the bag)

Staigreen **LAWN SEED** **BEST ON EARTH**



STAIGREEN is a modern Lawn Seed Mixture, the result of years of experimenting and practical sowing on all types of soil. It is composed of the strongest, finest, and most permanent grass varieties. Under favorable conditions it will produce a deep-rooted turf, luxuriant, carpet-like, and emerald-green from early spring through summer to early winter.

STAIGREEN weighs over 25 pounds to the bushel, which is exceptionally high for Lawn Seed, and heavy seed means pure seed of high quality, free from weeds and chaff. STAIGREEN is also free of all Rye Grass or Timothy. We recommend STAIGREEN for all lawns, whether new or old, except in heavy shade or in the extreme South. It does best in medium rich soils, and always is helped by applications of Emerald Grass Fertilizer.

One pound will make a new lawn 20 by 20 ft., or 100 lbs. per acre. Use half quantity for renovating old lawns. Use double these quantities for new lawns and renovating when quick results are desired. Sow STAIGREEN during spring or autumn.

PAMPHLET "HOW TO BUILD A PERMANENT LAWN" FREE IN EVERY PACKAGE

Conforming to the law recently enacted by the State of New York, we print on all packages the formula from which STAIGREEN is compounded. We welcome this legislation, as it constitutes a protection to the user.

STAIGREEN was introduced by us in 1912; through the years we have never cheapened the mixture. We have had to lower or increase the price from time to time, and for several years we were obliged to offer it at a higher price than we do today. After all, the cost of good seeds in the making or maintenance of a Lawn is but a small fraction of the total.

Lb. (Sifter-Top Container) \$0.65	12 1/2 lbs. . . . \$6.50
2 1/2 lbs. 1.55	25 lbs. 12.50
5 lbs. 3.00	100 lbs. . . . 47.50

Delivered prepaid anywhere in U. S. A.

One pound of Staigreen measures approximately 1 1/2 quarts



We Deliver Grass Seeds Free to Any Point in the United States

Shady Place Lawn Seed

Consists of shade-tolerant grass varieties, properly proportioned, together with sorts which do well in sunny situations. So the formula may be used for dense shade as well as for those portions of the lawn which reach out into full light. Use as a minimum allowance, 1 pound to 400 square feet, or 100 pounds per acre; sow half these quantities when renovating a lawn, and use double these quantities for quick results. Usually it is easy to obtain turf under trees when our Shady Place Formula is used, but in very stubborn cases it may be necessary to renovate the lawn every season for several years, proceeding thus: Add lime every autumn at the rate of 50 pounds per 1000 square feet; fork the land lightly in the spring, and apply Sawconure 50 pounds per 1000 square feet; rake smooth and sow Shady Place Lawn Seed; rake again to cover the seed and either use a roller or flatten with the back of a spade; sow some further seeds to renovate the lawn at the end of summer. **Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 10 lbs. \$6, 20 lbs. \$11.50, 100 lbs. \$55.** Charges prepaid.



The most beautiful of lawns is the one o'ershadowed by trees

For renovating, use one-half the quantities of seed here recommended.

For quick results, use double these amounts.

Lawn a Necessity—not a Luxury. This is the opinion of the Federal Housing Administration, which lists among improvements entitling the property owner to a home loan, the item: **GRADE AND SEED LAWNS.** Landscaping, tree-planting, and installation of lawn-sprinkler systems are also included.

One pound of these mixtures measures approximately 1½ qts. One qt. weighs about ¾ lb.

Bent Turf from Seed

All-Bent Formula. A mixture of the wonderful Bent Grasses, the dwarfest sorts in cultivation, creeping in habit, and capable of producing a dense mat of the finest silky turf. To these is added a proportion of high-quality Red-Top. In rich soil this formula will produce a turf finer in texture than a lawn of the ordinary type, and the creeping character of these varieties causes them to almost "felt" together and produce the soft, luxurious feel of an expensive rug. The turf is a deep, rich green color.

For best results the soil must be inherently good and should have additional rotted manure and Emerald Grass Fertilizer worked into it. Every spring and autumn, and several times during the growing season, Emerald Grass Fertilizer at the rate of 25 pounds to 1000 square feet should be applied to the turf.

Sow the seed at the rate of 1 pound per 250 square feet or 175 pounds per acre. **Lb. \$1.10, 2½ lbs. \$2.65, 5 lbs. \$5, 12½ lbs. \$12, 25 lbs. \$22.50, 100 lbs. \$85.** Charges prepaid.

S. & W. Co.'s Creeping Bent Seed

Pure seed of the finest of turf grasses. Over six million seeds to the pound, and this combined with the creeping character of the plants makes it possible to sow at a much reduced rate on well-prepared soil. Use 2½ pounds per 1000 square feet. With proper care it will make a golf putting green out of your lawn. **Lb. \$1.50, 2½ lbs. \$3.65, 5 lbs. \$7.25, 12½ lbs. \$17.75, 25 lbs. \$35.**

Bent Turf from Stolons

Creeping Bent Stolons. Stolons are stems of Creeping Bent Grass, which are cut into small pieces, broadcast on prepared land, and covered with a thin coating of soil. Estimate the size in square feet of your new lawn, and then purchase one-eighth the area in Creeping Bent Stolons.

One square foot weighs one pound. **5 sq. ft. \$1.50, 25 sq. ft. \$6, 100 sq. ft. \$22.50, 1000 sq. ft. \$200.** Purchaser pays transportation.

Turf for the South

Southern Lawn Formula. We offer a special formula for latitudes south of central Virginia. We advise that two seedings be made, one in spring and one in fall, allowing at each, 1 lb. to every 20 by 20 feet, or 100 lbs. to the acre. **Lb. 55 cts., 2½ lbs. \$1.30, 5 lbs. \$2.50, 12½ lbs. \$5.25, 25 lbs. \$10, 100 lbs. \$37.50.**

Turf on Slopes

Terrace Sod Grass Seed. A mixture of grasses that will produce strong, spreading roots, will withstand drought and sun, and will thrive on shallow soils. If the slope is gentle, add 1 inch of top-soil, broadcast Emerald Grass Fertilizer at the rate of 50 pounds to 1000 square feet. Rake, and sow Terrace Sod Formula, 10 pounds to 1000 square feet. If slope is severe, proceed as above, except to sow along with the grass seeds some ordinary seed oats—1 pound of seed and 1 quart of oats to each 100 square feet. Mow the oats as soon as they are long enough for a mower to cut them, and keep them cut. If the slope is very steep, mix 1 pound of Terrace Sod Formula with two pailfuls of earth. Make notches with a hoe about 9 inches apart, and fill the notches with the mixture. **Lb. 70 cts., 2½ lbs. \$1.65, 5 lbs. \$3.25, 10 lbs. \$6, 20 lbs. \$11.50, 100 lbs. \$55.**

Turf for Large Areas

High-Grade Lawn Seed. For lawns where low cost of materials is more important than extreme fineness of turf. Composed of fine, re-cleaned grasses with white Clover, carefully proportioned so that they succeed one another and give that much-desired velvety appearance throughout summer. One quart will sow 15 by 20 feet; 5 bushels, an acre. **Qt. 40 cts., 4 qts. \$1.35, 8 qts. \$2.50, ½ bus. \$4.25, bus. (22 lbs.) \$8, 5 bus. \$37.50.**

Greenwood Formula. For cemeteries and parks. Produces turf of medium fineness if mown frequently. Although low in cost, Greenwood Formula contains high-quality grass seeds of strong germination, producing a permanent turf. There is no Clover in the mixture. Use one pound per 10 by 20 feet for new lawns; 150 pounds, an acre. **Lb. 45 cts., 5 lbs. \$2, 10 lbs. \$3.75, 20 lbs. \$7, 100 lbs. \$32.50.**

Turf by the Sea

Seashore Lawn Formula. The ingredients are selected for their deep-rooting qualities and resistance to salt-spray and high winds. The soil in the neighborhood of the sea is frequently very poor, and a very good preparation is to apply Sawconure at the rate of 100 pounds to each 1000 square feet; rake after applying, and sow seed. One quart should be sown on an area 15 by 15 feet, or five bushels to the acre. **Lb. 60 cts., 2½ lbs. \$1.40, 5 lbs. \$2.65, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$45.**

Lawnspread is a Complete Top-Dressing for Lawns—Use it Often

New Jersey Lawn Formulas

The New Jersey Experiment Station has published a series of Lawn Mixture Formulas which they advise as being suited to the climate and soil conditions of that state. We offer these, accurately made up of new-crop seed. We use ingredients *higher* in purity and germination than required by the Experiment Station's specifications.

Formula No. 1 (with Clover). Standard for lawns on fair to good soils. Lb. 60 cts., 2½ lbs. \$1.40, 5 lbs. \$2.65, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$45.

Formula No. 1a (without Clover). Same basis as above, but without Clover. Lb. 60 cts., 2½ lbs. \$1.40, 5 lbs. \$2.65, 12½ lbs. \$6.25, 25 lbs. \$12, 100 lbs. \$45.

Formula No. 2. For finest quality turf, containing a liberal percentage of Colonial Bent. Lb. 85 cts., 2½ lbs. \$2, 5 lbs. \$3.75, 12½ lbs. \$8.75, 25 lbs. \$17, 100 lbs. \$65.

Formula No. 3. For shaded areas. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

Formula No. 4. For poor, clayey, shaley, or sandy soils. Lb. 75 cts., 2½ lbs. \$1.80, 5 lbs. \$3.50, 12½ lbs. \$8.25, 25 lbs. \$16, 100 lbs. \$60.

How to Make the Lawn

Dig the soil about 6 inches deep and take care that no subsoil is brought to the surface. If the area is poor, draw in additional top-soil.

Scatter Sawconure on the dug earth at the rate of 100 pounds per 1000 square feet, or S. & W. Co.'s Emerald Grass Fertilizer, using 50 pounds per 1000 square feet, or one ton per acre. Rake to a smooth surface and sow Staigreen, Shady Place, or other of our lawn seed mixtures, at the minimum rate of 1 pound (nearly 2 qts.) to each 400 square feet, or 100 pounds (4 to 5 bushels) per acre. Rake the area very lightly and roll.

The best season to make a new lawn is very early in the spring, or in the autumn. Winter seeding, even on snow, is also practical. Lawns made in summer or late spring are usually infested with weeds the first year.



Emerald Grass Fertilizer is a well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition.

Improve Your Lawn—Use LAWNSPREAD*

LAWNSPREAD is a complete top-dressing in dry powder form—a mixture of Plant-Foods and Grass Seeds

LAWNSPREAD contains screened, sterile soil-materials, approved grass-foods, and high-quality grass seeds; in the mixture, also, are ingredients to deter earthworms, Japanese beetles, and grubs; others to protect against fungous diseases. There are no weed seeds in Lawnspread, and it is almost odorless. Lawnspread may be used wherever grass fertilizers would be applied, but it is a complete treatment, and better results may be looked for.

LAWNSPREAD is a dry powder packed in units containing one-half bushel and weighing 25 pounds. In a dry, cool place, Lawnspread may be stored up to four weeks without impairing the germination of the grass seeds contained in it.

DIRECTIONS FOR USING LAWNSPREAD

Broadcast evenly; rub the powder off the leaves with the back of a rake.

As a tonic for any lawn, use one unit on each 20 by 20 feet at any time. An ideal treatment is to make four applications a year—in March, April, September, and October. Use every month on crab-grass, grub-infested areas, or on brown-patch-infested lawns.

Care of an Existing Lawn

Mowing. As soon as new grass is 2 inches high, begin mowing it. Afterward cut twice a week, setting your mower so that it cuts the grass moderately long, especially during July and August. Do not remove clippings; if they are unsightly it shows that you do not cut often enough.

Rolling. It improves a lawn to roll it once a month, but only roll when the land is dry, otherwise you may squeeze it into too compact a mass for the grass to grow.

Weeding. Our seeds are as free from weeds as care can make them; all soils, however, contain seeds of weeds and many of them start to grow along with the grass; these, ordinarily, are not removed from a new lawn at first, because mowing will kill most. Six weeks after the first cutting, however, take out whatever weeds may then be seen. It is important to dig deep down for dandelions and plantains, while for crab grass it is sufficient to cut the plant off at the ground-level. Mix two teacups of STAIGREEN with a pailful of soil and fill all weed-holes.

Routine Feeding. Use Lawnspread, described above, or spread Emerald Grass Fertilizer every spring, at the rate of 25 pounds per 1000 square feet, and Sawconure, at 50 pounds per 1000 square feet, late every autumn. Lime every second winter, at the rate of 25 pounds per 1000 square feet, will be helpful in most sections.

Chinch Bug may be controlled by several sprays of Rotene.

Earthworms may be eradicated with Vermol.

Japanese Beetle and **White Grub** may be killed by using Senoled.

Brown Patch may be checked by spraying with Semesan.

See end of Catalogue for prices of above materials.

To renovate thin or bare turf, roughen the surface and broadcast one unit on each 10 by 20 feet. If necessary, repeat at the rate of one unit to each 20 by 20 feet at intervals of a month until a perfect turf has been obtained.

LAWNSPREAD

Contains mixed seeds for open and shaded areas

1 to 10 bags, \$2.00 per bag

11 to 25 bags, 1.85 per bag

Over 25 bags, 1.70 per bag

We deliver Lawnspread within 100 miles of New York; to points beyond, purchaser pays transportation.

Lawnspread will not burn the grass

*Trade-Mark Registered, Patent Pending

SUPER-LAWNSPREAD

Contains Coos County Bent Seeds for home putting-greens

1 to 10 bags, \$2.75 per bag

11 to 24 bags, 2.65 per bag

Over 25 bags, 2.50 per bag



No seeds are purer and grow more vigorously than the grass seeds in Staigreen, which is a mixture of five distinct varieties, and for lawns around the residence Staigreen cannot be surpassed. For shade and special conditions use mixtures shown on the preceding page.

We Deliver Grass Seeds Free to Any Point in the United States

Turf for Sports

GOLF

Putting-Green Formulas

Use 1 pound to each 100 square feet for new greens

Standard Putting-Green Formula. Recommended for light, dry soils. This is a blend consisting of imported and domestic grass seeds of fine quality. The mixture includes the Bent grasses and Red Fescue. Its use for more than thirty years has proved its reliability. **Lb. 90 cts., 5 lbs. \$4.25, 25 lbs. \$18.50, 100 lbs. \$70.**

Special Putting-Green Bent Formula. Recommended for well-prepared, rich soils. This is a blend of grass seeds of the finest quality—all of the highest purity and strongest germination. We include in the formula an increased proportion of the Bents. **Lb. \$1.10, 5 lbs. \$5, 25 lbs. \$21, 100 lbs. \$80.**

Fairgreen Formulas

Use 200 pounds to each acre for new fairways

Fairgreen Formula, Fine Quality. Recommended for light, dry soils. Weight of a measured bushel of this formula is over 20 pounds. Under average conditions this mixture will produce an even, tough and lasting turf. **Lb. 50 cts., 5 lbs. \$2.25, 25 lbs. \$9, 100 lbs. \$30.**

Fairgreen Formula, Superfine Quality. A prescription designed to produce wonderful turf from tee to green. For well-prepared, rich soils. Contains Bent, Chewing's Fescue, Kentucky Blue Grass, and Superfine Red-Top. The weight of a measured bushel is over 25 pounds. **Lb. 65 cts., 5 lbs. \$3, 25 lbs. \$13, 100 lbs. \$45.**

Divot Formula

A blend consisting of (a) permanent grasses suitable for fairways and tees, with (b) seeds of the quickest growing plants that are of a temporary nature. The temporary plants grow immediately, and in a day or two of favorable weather you cannot locate the divot; in the course of a few weeks, with cutting, the temporary plants disappear, leaving the permanent grasses, now established, in possession of the soil. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$50.**

Mixed Fescues for Bunkers

A mixture of Red, Hard, Dwarf, Fine-leaved, Various-leaved, and Tall Fescues. Excellent for mounds, bunkers, and exposed sandy situations in the "rough." Use 15 pounds per 1000 square feet for new seedings. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$14.50, 100 lbs. \$55.**

Lawn Tennis

West Side Tennis Formula. The turf must be composed of grasses which may be mown closely and rolled continuously, also one which will stand up well under localized wear. Use 15 pounds per 2000 square feet when building new courts. **Lb. 70 cts., 5 lbs. \$3.25, 25 lbs. \$14.50, 100 lbs. \$55.**

Polo

Hurlingham Formula. Mixture used on the well-known English field, adapted to American conditions. Use 200 pounds per acre for new fields. **5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$50.**

Football

Touchdown Formula. Hard-wearing grasses properly proportioned. Sow 15 pounds per 2000 square feet when building new fields. **5 lbs. \$3.25, 25 lbs. \$14, 100 lbs. \$50.**



On the picturesque mountain golf course at Pocono Manor, Pennsylvania. Stumpp & Walter Co.'s Seeds used

Formula for Tees

Our formula includes only those varieties which will stand rough usage and recuperate quickly after excessive wear. Use 10 pounds per 1000 square feet for new seedings. **Lb. 60 cts., 5 lbs. \$2.75, 25 lbs. \$11, 100 lbs. \$40.**

"Rough" Formula

Consists of the taller-growing hardy perennial grasses in combination with yarrow and other plants suitable for the purpose and least likely to give serious trouble as weeds, should their seed be carried on to your greens or fairways. Use 100 pounds per acre for new seedings. **Lb. 50 cts., 5 lbs. \$2.25, 25 lbs. \$10, 100 lbs. \$35.**

Use one-half the quantities recommended on this page when renovating worn or thin turf. Use double for quick results.

Aviation

Airport Formula, Superfine Quality. A combination of turf-binding grasses that will produce a strong, densely matted turf. It gives a sward of a deep green color. Use 100 pounds per acre for a new field. **100 lbs. \$40, 1000 lbs. \$375.**

Airport Formula, Fine Quality. Gives a tough, wear-resistant turf, of a gray-green color. Use 100 pounds per acre for a new field. **100 lbs. \$30, 1000 lbs. \$275.**

Racetracks

Racetrack Formula. A mixture of desirable varieties of high germination. Grows well from early spring, through summer and autumn to winter. Produces a turf which is tough, thick, dark green and vigorous. Use 100 pounds per acre for new tracks. **100 lbs. \$30, 1000 lbs. \$275.**



Our Grass Seeds Are Specially Recleaned for the Elimination of Weeds

Individual Grass Varieties

Of Known Quality—Maximum Purity and Highest Germination

Agrostis Varieties or Bents

One pound contains about 4,000,000 live seeds.

TRIPLE A BENT. The best type of *Agrostis capillaris*; produces a stoloniferous, deep-rooted sod. Under constant mowing, it develops a turf akin to fine, silk-like, bright green Velvet Bent. Triple A turf becomes green early in spring and retains its color late in autumn. Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125.

SEASIDE BENT (*Agrostis palustris*; *A. maritima*). Coos County Strain. The plant is dwarf and it multiplies rapidly by sending out runners in all directions; from these new plants are produced, and these, in turn, grow more runners. The turf becomes matted, and if damaged, it heals over promptly. Lb. \$1.60, 10 lbs. \$15, 100 lbs. \$135.

COLONIAL BENT (*Agrostis capillaris*). Identical with native Rhode Island Bent. Makes excellent turf, and is permanent under close cutting. Our seed contains less than one-tenth of 1 per cent of weeds. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

RHODE ISLAND BENT or COLONIAL BENT (*Agrostis capillaris*). Native seed. Produces a turf of good color, fine texture, and resistant to drought. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$115.

ASTORIA BENT. Lb. \$1.45, 10 lbs. \$13.50, 100 lbs. \$115.

SOUTH GERMAN BENT or FIORIN. For many decades, good lawns and putting-greens have been sown with this seed, producing turf of fine texture. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. \$2 00 \$18 50 \$170 00
Superfine Sample. For specialists' use . . . 2 15 20 00 185 00

VELVET BENT (*Agrostis canina*). Dwarfest of the turf grasses, producing a sward of exquisite, silk-like texture. Only limited quantities of pure seed are procurable. Lb. \$5.

RED-TOP (*Agrostis alba*). A good pasture and hay grass and valuable as a nurse grass in lawns. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination. . . \$0 40 \$3 50 \$25 00
Superfine Sample. For specialists' use. 45 4 00 30 00
Unhulled (Commercial grade) 30 2 50 15 00

Poa Varieties

One pound contains about 2,000,000 live seeds

BIRD-GRASS or ROUGH-STALKED MEADOW GRASS (*Poa trivialis*). One of the few grasses that will grow in shaded situations. Resistant to drought. Lb. 55 cts., 10 lbs. \$5, 100 lbs. \$40.

KENTUCKY BLUE GRASS (*Poa pratensis*). Used for all lawn purposes in the northern states. Lb. 10 lbs. 100 lbs.

Fine Recleaned Seed. High germination . . \$0 45 \$4 00 \$30 00
Superfine Sample. For specialists' use 55 5 00 40 00

CANADA BLUE GRASS (*Poa compressa*). Similar to Kentucky Blue Grass but of a less pleasing color. Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

WOOD MEADOW GRASS (*Poa nemoralis*). Lb. \$1.50, 10 lbs. \$14, 100 lbs. \$125.

ANNUAL BLUE GRASS (*Poa annua*). Dwarf plant that spreads rapidly by depositing its own seed, however closely it is mown. Produces its best turf early and late. Lb. 75 cts., 10 lbs. \$7.



All Grass Seeds are ready for immediate shipment

Fescue Varieties

One pound contains from 500,000 to 1,000,000 live seeds

CHEWING'S NEW ZEALAND FESCUE (*Festuca rubra fallax*).

Produces a mat-like turf of a brownish green color. The leaves are fine, needle-like, and bristly. The most resistant of all grasses to heat, drought, and hard wear. Lb. 90 cts., 10 lbs. \$8, 100 lbs. \$70.

FINE-LEAVED FESCUE (*Festuca tenuifolia*). For sowing between flagstones in the garden path. Lb. \$1.10, 10 lbs. \$9.50, 100 lbs. \$85.

RED FESCUE (*Festuca rubra*). European; similar to Chewing's Fescue. Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

CREEPING RED FESCUE. Lb. \$1.25, 10 lbs. \$11.50.

SHEEP'S or HARD FESCUE (*Festuca ovina*). A wiry, stiff, blue-green grass. Lb. 75 cts., 10 lbs. \$6.50, 100 lbs. \$57.50.

MEADOW FESCUE (*Festuca pratensis*). A flat, broad-leaved grass. Tall and grows quickly. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

VARIOUS-LEAVED FESCUE (*Festuca heterophylla*). Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

Rye Grasses

One pound contains about 300,000 live seeds

ENGLISH RYE GRASS (*Lolium perenne*). A quick-growing, tall grass, sometimes included in mixtures for lawns for speedy results. Valuable hay and pasture variety. Lb. 35c., 10 lbs. \$3, 100 lbs. \$20.

PACEY'S PERENNIAL RYE GRASS (*Lolium perenne Pacey*). A smaller-seeded, slightly dwarfer type of English Rye Grass. Lb. 40 cts., 10 lbs. \$3.25, 100 lbs. \$22.50.

ITALIAN RYE GRASS (*Lolium italicum*). A coarse, tall grass and a mammoth producer of hay. Lb. 35 cts., 10 lbs. \$3, 100 lbs. \$20.

Sundry Varieties

AWNLESS BROME GRASS (*Bromus inermis*). Height 30 inches, with creeping roots. Useful for binding embankments. A pasture grass for dry soils. Lb. 45 cts., 10 lbs. \$4, 100 lbs. \$30.

CRESTED DOG'S-TAIL (*Cynosurus cristatus*). Lb. 75 cts., 10 lbs. \$7, 100 lbs. \$60.

MEADOW FOXTAIL (*Alopecurus pratensis*). Lb. 85 cts., 10 lbs. \$7.50, 100 lbs. \$65.

ORCHARD GRASS or COCKSFOOT (*Dactylis glomerata*). A coarse, bluish green plant, widely used for hay and pasture. Lb. 40 cts., 10 lbs. \$3.50, 100 lbs. \$25.

SWEET VERNAL (*Anthoxanthum odoratum*). A dwarf-growing grass, useful for lawns and hay. Fragrant when drying. Lb. \$1.75, 10 lbs. \$16.50, 100 lbs. \$150.

TALL OAT GRASS (*Avena elatior*; *Arrhenatherum elatius*). Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

TIMOTHY (*Phleum pratense*). A quick-growing, tall grass, for hay and pasture. Lb. 30 cts., 10 lbs. \$2.50, 100 lbs. \$15.

WHITE CLOVER (*Trifolium repens*). Sometimes used for lawns and by the farmer for pasture. Lb. 65 cts., 10 lbs. \$6, 100 lbs. \$50.

YARROW (*Achillea millefolium*). Drought-resisting plant with delicate, fern-like leaves, sometimes used in mixtures for turf and pasture. Lb. \$1.75, 10 lbs. \$16.50.

Grasses for the South

BERMUDA GRASS (*Cynodon dactylon*). Much used for a summer turf from Virginia south. Our seed contains a high proportion of the fine, dwarf type known as "Atlanta Bermuda." Lb. 50 cts., 10 lbs. \$4.50, 100 lbs. \$35.

CARPET GRASS (*Axonopus compressus*). A coarse grass, useful for lawns in the South, especially on moist land. Lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$27.50.

RHODES GRASS (*Chloris virgata*). A large, broad-leaved variety. Lb. 70 cts., 10 lbs. \$6.50, 100 lbs. \$55.

DALLAS GRASS (*Paspalum dilatatum*). Strong-growing perennial for grazing in the southern states. Lb. 65c., 10 lbs. \$6, 100 lbs. \$50.

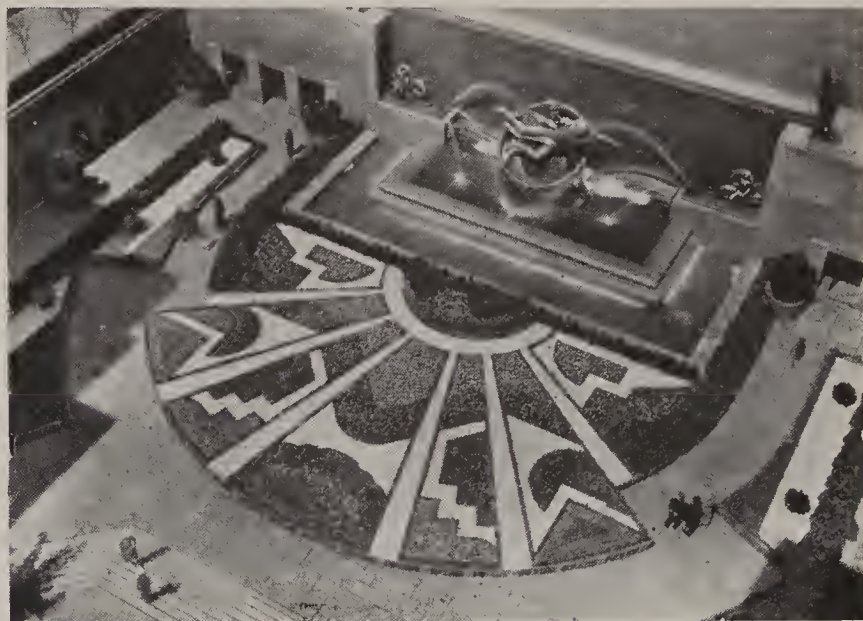
DOMESTIC RYE GRASS. A mixture of Italian and English Rye Grasses, produced in the United States and much used as a temporary winter turf in the South. Lb. 30 cts., 10 lbs. \$2.25, 100 lbs. \$12.50.

Grass Seeds for Hay and Pasture, see page 95

Novelties and Specialties in Flower Seeds



Many of the newer flowers make their debut at the New York Flower Show. Here is the English Garden, part of a Stumpp & Walter Co. exhibit which was awarded First Prize.



Formal gardens at R. C. A. Building, Radio City, New York. It has been our privilege to share in the supply of plants, soil materials, and service for this project.

New Rustproof Antirrhinums

Will Make the Snapdragon America's Most Popular Flower

After years of effort, a strain of Antirrhinums has been produced that is *strongly resistant* to rust. More than 75 per cent of the plants resulting from seed of the following varieties may be relied on to be absolutely rustproof, with clean, healthy foliage. *Treat as an annual.*

Maximum Type

Height 3 feet

- Alaska.** Pure white.
- Apple Blossom.** Light pink.
- Campfire.** Pure luminous scarlet.
- Canary Bird.** Canary-yellow, deeper lip.
- Copper Shades.** Various shades of copper.
- Crimson.** Deep crimson.
- Loveliness.** Soft rose-pink.
- Red Cross.** White tube with crimson face.
- Maximum, Mixed.** Includes all the above and many other shades.

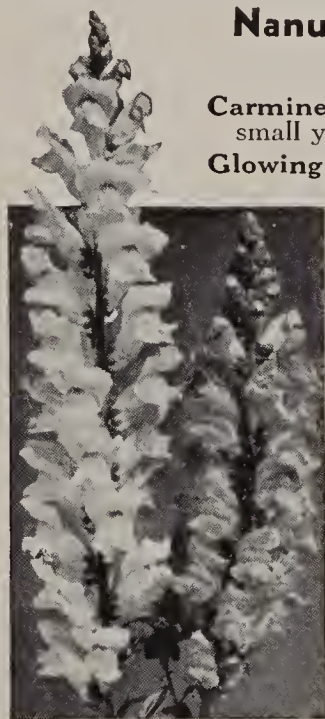
Each of above, pkt. 25 cts., 5 pkts. \$1

Majus Type

Height 2½ feet

- Buttercup.** Canary-yellow.
- Daintiness.** Deep pink.
- Pink Shades.** Pleasing shades of pink.
- Scarlet (Defiance.)** Scarlet-red.
- Shasta.** Pure white.
- Majus, Mixed.** Includes all the above and many other shades. We recommend this fine assortment.

Each of above, pkt. 25 cts., 5 pkts. \$1



Nanum Grandiflorum Type

Height 1½ feet

- Carmine-Rose.** Bright carmine-rose, with small yellow lip.
- Glowing Sunset.** Lower half of blossoms velvety scarlet, while upper half has a rose tinge.
- Indian Girl.** Brownish shiny orange, overlaid with bright yellow.
- Red Boy.** A brilliant flaming color.
- Wildfire.** Bright orange-scarlet with clear bright yellow lip.
- Nanum grandiflorum, Mixed.** Includes all the above, as well as many others striking colors.

Each of above, pkt. 25 cts., 5 pkts. \$1

**ALL-AMERICA
WINNER, 1935**

UNIVERSITY OF CALIFORNIA MIXTURE. Contains a wonderful color-range,

and a bed or border will have an effect of great brilliancy. Height 2½ to 3 feet; 75 per cent of the plants are rustproof. Pkt. 35 cts., 3 pkts. \$1.

Forcing Antirrhinums for the Greenhouse

Lemon Beauty. The color is a delightful shade of lemon-yellow. It is fairly early, and seed planted in June may be expected to flower in November, and continue in bloom until May or June. The plants grow from 4 to 6 feet tall, with a flowering spike 1½ to 2 feet in length, and about 12 to 15 inches in circumference. The florets are placed very close together, forming a solid mass. Pkt. \$2, 3 pkts. \$5.

Afterglow. Large-flowering bronze. Pkt. \$1.

Bertha Baur. New. Lavender-orchid. Pkt. \$1.

Ceylon Court. Early. Yellow. Pkt. 50 cts.

Cheviot Maid Supreme. Dark rose-pink. Pkt. 75 cts.

Cincinnati. Fragrant; light rose-pink. Pkt. \$2.

Happiness. Light pink. Pkt. 75 cts.

Helen. Salmon-pink. Pkt. 75 cts.

Jennie Schneider. Soft rose-pink. Pkt. 50c.

Laura. Dark rose. Pkt. \$1.

Lucky Strike. Large; white. Pkt. \$1.

New Deal. Bronzy pink. Pkt. \$2.

Penn Orange. Pkt. \$1.

Philadelphia Pink. Good pink. Pkt. 50c.

Roman Gold. Deep yellow, suffused copper and pink. Pkt. 75 cts.

Rose Queen. Dark pink. Pkt. \$1.

Sun Tan. Tan with yellow tip. Pkt. 75 cts.

Terry's Surprise Improved. Rich rose shaded bronze. Pkt. \$2.

Terry's Surprise. Bronzy pink. Pkt. \$1.

White Rock. Pkt. 50 cts.

Winter Helen. Delightful shade of salmon. Pkt. \$1.

THREE PACKETS OF A KIND: Three 50-ct. packets of any of above Antirrhinums, \$1.25; three 75-ct. pkts., \$2; three \$1 pkts., \$2.50; three \$2 pkts., \$5.

Arabis, Snow Cap

PERENNIAL

An excellent new Arabis of compact habit, eminently suitable for inclusion in a rock-garden planting. The numerous pure white flowers are borne well above the foliage and in great profusion, thus forming a dazzling white cushion of bloom. Pkt. 50 cts., 3 pkts. \$1.25.

New Giant Calendula

**ALL-AMERICA
WINNER, 1935**

ORANGE SHAGGY. Annual. The florets are long and deeply fringed or lacinated in this new type of Pot Marigold. Row after row of these long, fringed petals overlap each other in a rather irregular fashion, and build up a bloom with the shaggy appearance of some chrysanthemums, graceful and beautiful. The color is a deep orange, shading to a slightly lighter orange in the center. When suitably grown, 18-inch stems are usual, and a bed of these floral jewels is a wonderful sight. A spring-sown, open-ground annual of the easiest culture, as well as an excellent greenhouse flower for cut-bloom. Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2.

Grow the Wilt-Resistant Strains of Mammoth Asters this Year

Asters Resistant to Wilt

All Colors Are Now Available

In some localities success with Asters has been rendered doubtful through attacks of the Fusarium Wilt, but we now offer types of Asters that are almost immune.

AURORA GOLDEN SHEAF. The deepest yellow Aster yet offered. The flowers are perfectly double, with a full, crest-like center, of good substance and fine depth of floret. Pkt. 35 cts., 3 pkts. \$1, 1/4oz. \$2.

IMPERIAL RED. A wonderful new giant single Aster, with curled and interlaced outer florets. Their intense brilliant red is emphasized by the bright yellow center. Growing 18 inches high, each plant produces many flowers on good, long stems. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

BLUE FLAME. Bright navy-blue, distinct from any other dark blue or purple Aster. Large, Comet-like flowers, fully double. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

HEART OF FRANCE. The plants grow about 2 feet high, and bear their long, rich, deep ruby-red flowers on long, strong stems. A late-blooming sort. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

BALL'S WHITE. Finest midseason white Aster. The flowers are 4 inches in diameter and exquisite in form. When first open the entire flower is whorled; the broad petals are slightly folded lengthwise, making them appear rather narrow. The plants carry about twelve large flowers on strong stems. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

General List of Wilt-Resistant Asters

QUEEN OF THE MARKET. *Wilt-resistant.* This well-known early Aster is of a branching habit, growing about 1 1/2 feet high.

White	Flesh-Pink
Crimson	Light Blue
Dark Blue	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 5 colors, \$1

EARLY ROYAL. (*Branching Type.*) *Wilt-resistant.* Best described as an early-flowering form of our Superb Late Branching Aster, but coming into bloom in July.

White	Purple
Lavender	Shell-Pink
Rose-Pink	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 5 colors, \$1

THE FIVE KING ASTERS. *Wilt-resistant.* The long, narrow petals are folded lengthwise, appearing almost as though quilled, and the flowers are of great size and substance, lasting longer when cut than any other class. Their season for blooming is just after the earliest varieties.

Crimson	Lavender
Blackish Blue	White
Peach Blossom	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 5 colors, \$1

MIDSEASON GIANTS. *Wilt-resistant.*

Azure-Blue	Rich Rose
Lilac	Purple
Shell-Pink	Mixed
White	

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 6 colors, \$1.

IMPROVED CREGO, or OSTRICH-FEATHERED. (*Improved Comet Type.*) *Wilt-resistant.* This is considered to be the finest and largest of all the Comet Asters. The flowers are borne on long, stiff stems and are of a fluffy character, frequently measuring 5 inches and over in diameter. They are splendid for cutting purposes.

Orchid	Shell-Pink
Deep Rose	Crimson
Dark Blue	White
Mixed	

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 6 colors, \$1.25

ASTERMUMS. *Wilt-resistant.* A splendid new race of American-raised Asters selected from the Comet Type. The plants are of upright growth frequently having twelve to fifteen strong, sturdy stems 1 1/2 to 2 feet long, each carrying enormous flowers of splendid form, the petals completely covering the center so as to give the impression of a large chrysanthemum.

White	Lavender
Rose-Pink	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 3 colors, 60 cts.

LATE BRANCHING. *Wilt-resistant.* The flowers are of extraordinary size—larger than most other varieties—and stand erect on long, graceful stems, well above the foliage; flower-stems 15 to 20 inches long. Grand for cutting. Plants large, of strong growth.

Pure White	Purple
Shell-Pink	Crimson
Rose-Pink	Sensation (red)
Lavender	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 7 colors, \$1.50

BEAUTY. *Wilt-resistant.* This is a recently developed late-flowering strain, coming into bloom late in September and being at its best through October. The plants grow nearly 3 feet high and bear their very large, densely covered flowers on long, strong stems. Excellent for cutting.

Flesh-Pink	Azure-Blue
Purple	Crimson
Carmine-Rose	Mixed

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 5 colors, \$1

SINGLE COMET. *Wilt-resistant.* From a decorative point of view the possibilities of this type are immense. Their large blooms often measure 5 to 6 inches across.

White	Scarlet
Light Blue	Mixed
Light Rose	

Any of above colors, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25, oz. \$4. Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50

Collection: Pkt. each, above 4 colors, 75 cts.

THE ALL-AMERICA WINNERS

A committee of horticultural trade experts grows trials rows of new plants every season. Novelties showing the greatest merit are given awards by this All-America Committee, and the most outstanding of all earns the Gold Medal of the year. We indicate these proven kinds, and we especially recommend them.



Late Branching Aster (Wilt-resistant)

Calceolaria, Feltham Scarlet

Greenhouse Annual. This is one of the most striking colors among the hybrid Calceolarias. The plants are fairly dwarf and compact in habit and the rich dark scarlet flowers will make a glorious show in the greenhouse and a bright display in a sheltered position in the open ground. Pkt. 50 cts., 3 pkts. \$1.25.

Centaurea Cyanus, Jubilee Gem

Annual. A dwarf variety of Cornflower, making a compact plant literally covered with flowers. Its foliage is distinct from all other Cornflowers, forming a tufted mass of bright green, contrasting well with the dark but vivid blue, double flowers. The plant is about 1 foot in height, making it suitable for pots or border work. Pkt. 50 c., 3 pkts. \$1.25.

Cheiranthus Allioni, Golden Bedder

Siberian Wallflower

Hardy Perennial. We believe this will prove to be one of the most popular perennials ever introduced, for it has all the attributes of the original Siberian Wallflower. The color is deep golden yellow and the individual flowers are larger than the type. Also its fine tone will blend more easily with many subjects than does that of Allioni. Pkt. 35 cts., 3 pkts. \$1.

Chelidonium, Yellow Queen

Biennial. This is indeed an arresting biennial, growing 4 to 5 feet high, with attractive, gray-green, cut foliage, somewhat resembling that of meconopsis. The flowers, of a beautiful butter-yellow, are produced freely. Pkt. 50 cts., 3 pkts. \$1.25.



New Rust-Resistant

SUPER-GIANT

Antirrhinum

(SNAPDRAGONS)

S. & W. Co.'s Giant-Flowering

Plant-breeders have at last succeeded in producing not only much improved kinds of Snapdragons, but after painstaking effort have bred into these delightfully improved varieties the characteristics that resist rust. The varieties we are offering for the first time this year are superior in length of spike, size of blooms, and their clean, healthy, broad foliage is entirely free from rust. The plants attain the height of 2 to 3 feet under good cultivation, are base branching, having 8 to 15 spikes to the plant.

We offer 5 distinct colors and shades

- | | |
|-------------------------------------------------------------------|--------------------------------|
| 1. Copper Shades. Coppery old-gold to rich velvety copper-orange. | 3. Canary Bird. Yellow. |
| 2. Apple Blossom. Pale pink. | 4. Loveliness. Soft rose-pink. |
| | 5. Crimson. Rich crimson. |

Any of above, pkt. 25 cts., 5 pkts. \$1

Collection: One pkt. each of 5 distinct varieties (5 pkts. total) **\$1**



S. & W. CO.'S MIDSEASON GIANT ASTERS *{Wilt-Resistant}*

We are glad to be able to offer our Midseason Giant Asters this year bred from Wilt-resistant strains. We believe this type to be the best Aster in cultivation. The sturdy, upright plants produce giant flowers often measuring 6 inches in diameter, fully double, and of great substance on long stems. For decorative effect in the garden and for cut-blooms the Midseason Giants are unsurpassed.

1. Azure-Blue Giant.
2. Shell-Pink Giant.
3. White Giant.
4. Rich Rose Giant.
5. Lilac Giant.
6. Purple Giant.



COLLECTION:

One pkt. each of
the above 6 Mid-
season Giants... **\$1.00**

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

We Mail Flower Seeds Post Free to Any Point in the United States

Chrysanthemum Mawi

Hardy Perennial. A new perennial Daisy, perfectly hardy, with rich pink flowers, about 2 inches across, that contrast pleasantly with the silvery foliage. The plants grow 1 foot high, making it an ideal subject for the perennial border or rock-garden. Pkt. 50 cts., 3 pkts. \$1.25.

Dianthus, Delight

Hardy Perennial. This is a hybrid between Sweet Wivelsfield and *Dianthus Roysi*, with a neat, erect habit of growth and about 9 inches high. It blooms continuously from June to October, producing a profusion of flowers about half an inch in diameter in alternating spikes. It has a bewildering range of color, running from palest pink to the deepest purple and velvety rich reds. Pkt. 35 cts., 3 pkts. \$1.

Dianthus, Double Sweet Wivelsfield

A double form of the original Sweet Wivelsfield, which itself was an outstanding novelty a short while ago. The double form has larger and fuller individual flowers, which last so long that under suitable conditions they will give a display all summer. Colors range from velvety crimson to white and salmon-pink. Height, 15 inches. A hardy biennial that will flower the same year if sown early. Pkt. 35 cts., 3 pkts. \$1.

Erigeron, Azure Beauty

Hardy Perennial. The blue of the sky! One of the most outstanding novelties of the season. The plants reach the height of 2½ feet, and they bloom so profusely that they are literally covered with double and semi-double flowers. It is an ideal subject for the perennial border and fine for cutting. Sow seeds during summer, in the open ground. Pkt. 50 cts., 3 pkts. \$1.25.

Eschscholtzia, Gloaming

California Poppy

Annual. The color is an art shade and difficult to describe: inside the petals show a suffusion of deep rose and apricot on a yellow ground, while the outside is a beautiful tone of deep coral-rose. The habit is erect, and it is very free flowering. Pkt. 35 cts., 3 pkts. \$1.



Eschscholtzia, Gloaming

Gaillardia grandiflora, Goblin

Perennial. This new variety grows only 12 to 16 inches high. It is especially suitable for the rock-garden, as it begins to bloom in the middle of the summer when color is most needed. The plants are of compact habit and completely covered with bright yellow flowers which have a deep red zone. Its stems are long enough to provide cutting material. Pkt. 50 cts., 3 pkts. \$1.25.

Summer-flowering Gentian

Hardy Perennial. For the rock-garden or the mixed border, flowering from July to September, inclusive. Excellent also as pot-plants. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

LAGODECHIANA. Dark green, leathery foliage is topped with clusters of five to eight brilliant blue flowers which are 1½ inches across, and their color varies from delicate light blue to dark true Gentian-blue. 6 inches. Pkt. 50 cts., 3 pkts. \$1.25.

Godetia, Kelveden Glory

Annual. This new Godetia will, we believe, prove the outstanding novelty in Annuals for 1936. The color is deep glowing salmon-orange, of an intensity and vividness that can be found in no other Annual. The plant is very strong and robust, growing about 1 to 1½ feet high, and is extremely free flowering. Pkt. 50 cts., 3 pkts. \$1.25.

Liatris scariosa alba

Hardy Perennial. White is a new color in this ornamental and very desirable hardy perennial. Attaining a height of 3 feet, its stout racemes of pure white blossoms are excellent for cut-bloom, and the plant is quite imposing in the perennial border. It caused great interest among visitors at our Perennial Gardens in September and October the last two years. Pkt. 50 cts., 3 pkts. \$1.25.

Linaria

Annual. Linarias are little grown in American gardens, although we look for them to increase in popularity. Sow seed in spring where the plants are to bloom, or earlier under glass or in the home, later transplanting into the open.

MAROCCANA, FAIRY BOUQUET MIXTURE. The very compact plants are not more than 10 inches high, and they bear much larger flowers than the type, in a variety of distinct colors, such as rose, yellow, pink, lavender, carmine, red, violet, white, and salmon. Excellent for bedding or for pots. Pkt. 25 cts., 5 pkts. \$1.

Myosotis, Lavender Gem

Forget-me-not

Biennial. An entirely new and distinct color. It belongs to the Alpestris section but is of neater and more erect habit than others of the type. The color is a distinct mid-lavender, entirely free from rose or mauve. Pkt. 35 cts., 3 pkts. \$1.



New Larkspurs, Giant Imperial Type

Annual. An Annual Larkspur with the habit of the Delphinium, and we are now able to offer eight fine colors in this type.

CARMINE KING. Beautiful shade of deep carmine-rose. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

DAZZLER. Vivid, lustrous carmine in color and in bloom seven to ten days earlier than other varieties. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1, oz. \$3.50.

EXQUISITE PINK IMPROVED. The delightful shade of pink meets exactly the florists' requirements. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

GLORIA. A rich tone of deep rose, with no trace of carmine. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

LILAC QUEEN. The plant has long, graceful, upright branches, is very symmetrical, and has long flowering trusses of exceptionally large, double flowers. Color is a rich lilac shading to lavender-blue. Popular for home decoration and essential for the florist. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

PEACH BLOSSOM. Light pink with salmon trace. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

SWEET LAVENDER. A delightful shade of rich lavender-blue. Highly commended by the Royal Horticultural Society of England. Pkt. 25 cts., ½oz. 60 cts., ¼oz. \$1, oz. \$3.50.

WHITE SPIRE. A new, dazzling, pure white, double Larkspur, possessing the shape of the Delphinium. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

BLUE SPIRE. Similar to the above except the color is intense deep Oxford blue. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

LILAC SPIRE. Beautiful shade of lilac so popular in Larkspurs. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Mixed Giant Imperial Larkspurs. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Malva setosa, Mixed Colors

Hardy Perennial. This is a first-rate plant for the back row of the herbaceous border, being of branching habit and growing 6 feet or more tall. A valuable feature is that it makes a fine display after the hollyhocks have finished flowering. The mixture includes white, crimson, lilac, sulphur, and various shades of rose and pink. Pkt. 50 cts., 3 pkts. \$1.25.

Under Competition, the All-America Winners Have Proved Their Worth



Double Nasturtium, Golden Globe

A Novel French Marigold

DOUBLE HARMONY. (Scabious-flow-ered.) *Annual.* A charming and distinct variety, with flowers similar in form to the Scabiosa. They are of good size and have a central, deep orange crest, which is surrounded by a maroon-brown collar of broad florets. The plants grow to a height of 1 foot. Pkt. 35 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Winter-flowering Marigold A SPECIAL STRAIN

Annual. This useful plant grows 2½ feet high, with fern-like foliage. The outer petals of the flowers are a beautiful shade of mahogany, with a large pin-cushion center of golden yellow, suffused with mahogany. This is best grown in a coolhouse, pinching once when plants are 8 to 10 inches high. Comes practically 100 per cent true. Pkt. 50 cts., 3 pkts. \$1.25.

Nasturtium, Golden Globe Dwarf or Globe Type

ALL-AMERICA WINNER, 1936 *Annual.* This new Dwarf Strain of Gleam Nasturtiums is of a truly dwarf, compact habit, totally without runners, holds its compact form, even in rainy climates, and is splendid for border edging, pots, rock-gardens, or bedding. The color is a deep golden yellow. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

New Nicotiana

Sweet-scented Tobacco

MINIATURE WHITE. *Annual.* An elegant, small-flowered, pure white, half-hardy annual species, delightfully scented. A fine bedding subject and an excellent pot-plant. Pkt. 25 cts., 5 pkts. \$1.

Cut-flower Pansies

Treat them as Annuals. Large blooms on long stems! This strain produces flowers up to 3 inches in diameter, with stiff stems ranging from 6 to 11 inches in length, in a wide range of colors. **Mixed only.** Pkt. \$1.50, 3 pkts. \$4.

All-Double Petunias

Annual. A strain of double, fringed Petunias remarkable for the size of flower (many exceed 4½ inches in diameter) and for the fact that every seedling may be expected to produce double or semi-double flowers. The mixture contains a wonderful assortment of beautiful colors—carmine, brilliant rose, velvety purple-violet, purple, white, creamy yellow, and intermediate colors; some, too, are variegated.

Tall Triumphant. All-double Fringed. Pkt. 50 cts., 3 pkts. \$1.25.

Dwarf Victorious. All-double Fringed. Pkt. 50 cts., 3 pkts. \$1.25.

Two Novel Miniature Petunias

Annuals. Each plant forms a perfect ball effect, literally covered with 25 to 30 blooms in flower at one time, the individual blossoms being 2 inches in diameter.

COCKATOO. Only 8 inches high, the plant is one mass of medium-sized flowers of a deep purple-violet, with regular-shaped splashes of white around the margin. Pkt. 25 cts., 5 pkts. \$1.

ALL-AMERICA WINNER, 1936

ROSE GEM. This is a rich deep rose similar in color to Petunia, Rose of Heaven, but it produces a greater abundance of blossoms. The plant is neat and compact, 5 to 6 inches high, and smothered with rich rose-colored flowers about 2 inches in diameter. Pkt. 50 cts., 3 pkts. \$1.25.

Two New Single Petunias

ALL-AMERICA WINNER, 1936

DAINTY LADY. *Annual.* We consider this the first really yellow Petunia. It is fringed and single. The plants are neat, compact, semi-dwarf, and free flowering, bearing generous quantities of medium-sized, delicately fringed, light golden yellow flowers throughout the entire summer. Pkt. 50 cts., 3 pkts. \$1.25.

ALL-AMERICA GOLD MEDAL, 1936

FLAMING VELVET. *Annual.* This was the most outstanding variety in the All-America Trials held this year. It is of the Hybrid type, growing about 1½ feet high, with flowers of a brilliant, velvety scarlet. Outstanding for color, type, and uniformity, with very few off-color rose flowers. Pkt. 25 cts., 5 pkts. \$1.

Phlox Drummondii, Gigantea Art Shades

ALL-AMERICA WINNER, 1935

Annual. In addition to its enormous flowers, which are 1 to 1½ inches in diameter, it has a wonderful range of color in soft pastel hues. Included in this mixture are: salmon with white eye, deep salmon with white eye, apple blossom, soft rose with white eye, light blue with white eye, and many other pleasing art shades. Height 9 inches. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Salvia farinacea

BLUE BEDDER. A perennial sort which does well when treated as an annual. Seed sown in early spring will develop into plants which flower from July to October. Blue Bedder has a more compact form, with deeper blue flowers than the ordinary *S. farinacea*. Excellent for cutting. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Giant Iceland Poppy, Yellow Wonder

ALL-AMERICA WINNER, 1936

Perennial. This new variety of *Papaver nudicaule* grows 3 feet high, with leaves densely set with fine hairs. The flowers are very large, measuring 4 to 6 inches across, and are a bright buttercup-yellow with lighter center. Its most attractive feature is the flower-stem, which is often 3 feet or more long and crowned with a mammoth flower. Will bloom the first year from seed if sown early. Pkt. 35 cts., 3 pkts. \$1.

New Annual Scabiosas

LOVELINESS. *Annual.* The blooms range through varying tones of soft delicate salmon-rose. Unsurpassed as a cut-flower, having long, stiff stems, a delightful fragrance and wonderful chaste salmon-rose color. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

BLUE COCKADE. *Annual.* One of the few Scabiosas to have secured an Award of Merit at the trials at Wisley, England. The color is a pure, deep lavender-blue. A tall type, with truly double flowers. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Scabiosa Fischeri

Perennial. A fine new border plant from Manchuria, growing about 20 inches high, with handsome, divided leaves and flowering well into the autumn. The flowers are about 2½ inches in diameter, borne on long, stiff stems, and are of a rich deep violet-blue shade, unlike that of any other Scabiosa. Ideal for cutting. Pkt. 50 cts., 3 pkts. \$1.25.

Schizanthus, Canadian Super-Giants

Annual. Blooms 2 inches across! Because these have the largest flowers of any strain of Schizanthus in existence, and because they have rich colorings and unusual markings not seen heretofore, they will be recognized as distinct and superior. Although most valuable as a greenhouse or conservatory plant, the Schizanthus may be grown outdoors in a position sheltered from high winds. For this purpose, treat as a half-hardy annual, sowing in February under glass and planting out when all danger of spring frosts is over. We offer seed from the introducer. Pkt. \$1.



Petunia, Flaming Velvet

Here Is the Pick of the World's Best New Sweet Peas

Ten Novelty Summer-Flowering Sweet Peas

ARTISTE. (*Pink.*) Handsome, glowing clear geranium-pink of great beauty. Wings and standards are alike in color. Frequently four flowers to the stem, and the stems are long. Pkt. 25 cts., 5 pkts. \$1.

CAPRI. (*Light blue.*) We believe this to be the finest light blue ever introduced. The color is much clearer and the flowers are much larger than existing varieties. Long stems make the flower especially valuable. Pkt. 25 cts., 5 pkts. \$1.

CHINESE BLUE. (*Deep blue.*) Both standard and wings are a uniform, true, deep blue. Stems are exceptionally long and usually bear four flowers throughout the plant. An unusually strong-growing variety, with blooms larger than those of the average Sweet Pea. Pkt. 25 cts., oz. \$1.

EXQUISITE. (*Coral and white.*) The color is actually best described as a soft coral-salmon on a glistening, silvery white ground. It is exceptionally fine under artificial light. This English variety usually produces four flowers on each of its long, stout stems. Pkt. 35 cts., 3 pkts. \$1.

FLORA. (*Lavender.*) The outstanding lavender variety for 1936. Color is clear lavender-lilac and the flowers are exceptionally large. A strong, vigorous variety, freely producing its flowers on long stems. Pkt. 25 cts., oz. \$1.

GRAND SLAM. (*Scarlet-cerise.*) Bright scarlet-cerise, with a suffusion of orange—a beautiful and brilliant color. Grand Slam does not fade or change color in strong sunlight. This appeals to us as one of the best Sweet Peas ever introduced. Pkt. 25 cts., 5 pkts. \$1.

LULLABY. (*Pink and white.*) Very long stems, usually with four flowers to a stem, may be expected from this new sort. The color combination is a charming light rose-pink on a white ground. Pkt. 25 cts., 5 pkts. \$1.

STYLIST. (*Rose-pink.*) This may be described as a much improved Pinkie. The blooms are a clear, deep rose-pink, usually growing four to a stem, and the stems are exceptionally long, the plant being a very vigorous grower. Pkt. 25 cts., 5 pkts. \$1.

WHITE EMBLEM. (*White.*) This is a perfectly pure white flower of great substance, beautifully frilled and very large. The variety produces black seeds, hence a robust-growing plant is to be expected. Pkt. 35 cts., 3 pkts. \$1.

YELLOW TIP. (*Near yellow.*) The nearest approach we have to pure yellow in Sweet Peas. Flowers are large, well-balanced, and the plant grows strongly. Pkt. 35 cts., 3 pkts. \$1.

NOVELTY COLLECTION: One pkt. each of above 10 New Varieties, \$2.50



Modern Sweet Peas have three or four flowers on a stem

New Statice

SINUATA, Kampf's. *Annual.* This desirable Everlasting is a deep blue, large and fine, and is excellent for cutting. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50.

Venidium, Fastuosum Hybrids

Half-hardy Annual. For the garden or for under glass. Height 2 to 3 feet. In this mixture are white, cream, lemon, orange, and buff. Flower 3 inches in diameter, with black center. Pkt. 50 cts., 3 pkts. \$1.25.

Viola, Normandie

A remarkably handsome Viola of the Gracilis type, bearing large, self-colored flowers of a rich burgundy color. Pkt. 50c., 3 pkts. \$1.25.

Trollius, Golden Queen

Hardy Perennial. Four-foot plant produces enormous, buttercup-like golden flowers 4 inches across. Award of Merit, R. H. S., England. Pkt. 35 cts., 3 pkts. \$1.

Verbena, New Apple Blossom

Annual. The flowers are almost white, shading to a delicate cameo-pink toward the edges of the petals; and here at the edge they are a decided pink. Individual flowers are 1 1/4 inches in diameter, while the flower-head itself measures 4 to 5 inches across. The plants grow from 1 to 1 1/2 feet tall, are very free flowering, and come 99 per cent true to color, which is a notable degree of fixation in large Verbenas. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50, oz. \$5.

New Zinnias

DESERT GOLD. *Annual.* Gardeners will welcome Desert Gold, of the new "Crown of Gold" strain. The light and deeper hues of gold have been segregated, being equally striking in the garden or when the flowers are used for cut-bloom. 2 1/2 ft. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

SCABIOUS-FLOWERED HYBRIDS. *Annual.* The flowers are of medium size, but are produced in great profusion. They have wide outer florets, but the inner section of the flower is made up of short tubular florets closely compacted, resembling the Scabious. Colors include Crimson, Scarlet, Orange, Yellow, Pink, and White. **Mixed,** pkt. 25 cts., 1/4 oz. \$1, oz. \$3.

CROWN O'GOLD HYBRIDS. *Annual.* A large type. The base of each floret is gold, but each upper half is old-rose in one plant, cream in another, or yellow, red, or carmine. Pkt. 20 cts., 1/8 oz. 50 cts., 1/4 oz. 90 cts.

Growing Flowers from Seed

Flowers are classified according to their life histories, as: **Annuals**, seeds of which may be sown in spring and they will produce flowers and die the same season; **Biennials**, those which grow from seed the first year, but do not flower, rest over the winter and grow again the next year, when they flower and die. **Perennials** are those which grow from seed one year, produce flowers in later years, usually the second, and do not die, but continue to produce flowers every year afterwards. A few biennials and perennials, however, will flower the first year and are commonly treated as annuals.

Flowers are classified according to their resistance to cold as: **Hardy**, those which are not killed by frost, however severe; **Half-hardy**, which are uninjured by moderately low temperatures, but severe frost will kill them, and **Tender**, which must be protected against frost, however light, at all times.

Seeds of **Annuals** are sown in spring, the hardy kinds in the open ground as soon as winter is over; the half-hardy and tender kinds are sown outdoors when no further frosts are to be expected. Some kinds take longer to flower from the time that seed is sown than do others, and these longer-growing kinds are commonly started

in late winter in the protection of the home, the seed-boxes being given the full light of a window, or, better still, in a greenhouse or a hotbed, which is a heated frame. The seedlings are transplanted into the garden after warm weather has arrived.

Biennials and Perennials are commonly sown outdoors in June or July, the resulting plants being thinned to prevent overcrowding, and then transplanted in autumn or spring to those spots in the garden where it is intended that they should flower. We must not allow any plants to crowd one another, and from time to time seedlings should be removed to permit others to have sufficient room.

Most seeds grow best in light, sandy soil, and covered to a depth equal to three times their diameter. Use care in watering, as small seeds are readily washed away or carried too deeply into the soil. Do not add fertilizer to soil for *starting* seeds; use it later.

There are certain plants which, for various reasons, are always grown as greenhouse or conservatory plants. For these, special cultural directions will be found on the reverse side of our seed packages. If you have any difficulty in growing any of our products, we invite you to write us, when full directions will be given you.



This Garden, winner in the "Herald-Tribune" Garden Competition, 1935, is the result of sowing Stumpp & Walter Co.'s High Quality Flower Seeds. Mr. A. B. Tisch, Rockville Center, L. I., Owner

General List of Flower Seeds

We mail Flower Seeds post free to any point in the United States

ABRONIA

Annual. Verbena-like plant, very fragrant, especially toward evening.

Umbellatum. Rosy pink. Pkt. 10 cts., 1/4oz. 50 cts.

ABUTILON (*Flowering Maple*)

Greenhouse Plant. Attractive coolhouse shrub and window-plant, and valuable for summer bedding. Perpetual-blooming, bearing lovely, bell-shaped flowers. Ht. 4 ft.

Finest Mixed. Pkt. 25 cts., 1/2oz. \$1.

ACANTHUS (*Bear's Breech*)

Mollis latifolius. *Perennial.* Has rose-colored flowers. 3 ft. Aug., Sept. Pkt. 10 cts., oz. 75 cts.

ACHILLEA (*Yarrow; Sneezewort*)

Ptarmica, The Pearl. *Hardy Perennial.* Small, double, white flowers. 2 1/2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Filipendula. *Hardy Perennial.* Yellow. 3 ft. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Millefolium roseum. *Hardy Perennial.* Pink. 1 1/2 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

ACONITUM (*Monksblood; Wolfsbane*)

Wilsoni. *Hardy Perennial.* The most handsome of the Monkshoods. Long spikes of light blue flowers from summer until November. 5 ft. Pkt. 25 cts., 1/8oz. \$1.

Napellus. *Hardy Perennial.* Long spikes of curiously shaped blue flowers. For planting among shrubbery. 3 to 5 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Napellus roseus. *Hardy Perennial.* Beautiful lavender-pink. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Fischeri. *Hardy Perennial.* Dwarf; deep blue. 1 1/2 ft. Pkt. 15 cts., 1/8oz. \$1.

Finest Mixed. All colors. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

ACROCLINIUM

Annual; Everlasting. Useful for dried bouquets for winter decoration. Easily grown. 20 in.

Double, Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

ADLUMIA

Mountain Fringe; Allegheny Vine

Cirrhusa. *Biennial Climber.* For trellises, etc. Fern-like foliage. Flowers tube-shaped, white or purplish, entirely cover the plant. Sown early, will bloom same year. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

ADONIS (*Pheasant's-Eye*)

Aleppica. *Annual.* Brilliant blood-red flowers. 1 1/2 ft. Pkt. 25 cts., 1/4oz. \$1.50.

Vernalis (Spring Adonis). *Perennial.* Large, yellow flowers in spring. 1 ft. Pkt. 25 cts., 1/4oz. \$1.



Aconitum Wilsoni

AGERATUM (*Floss Flower*)

Annual. Bedding plants, blooming from spring till frost. Usually started under glass and the plants transferred to the open. Can also be sown outdoors in May.

Blue Cap. Large, deep blue flowers. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Venus. Red buds, opening to white flowers with soft red centers. 1 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

Blue Perfection. Deep blue flowers produced in abundance. Fine for cutting. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Little Dorrit, Blue. Bright blue. 6 in. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Little Dorrit, White. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Little Blue Star. Used largely for edging. Bright blue. 4 to 5 in. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50.

Little Silver Star. Similar to above but with silvery grayish white flowers. Pkt. 25 cts., 5 pkts. \$1.

Mexicanum Capella. Distinct; rosy chamois flowers. 9 in. Pkt. 15 cts., 2 pkts. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

AGATHAEA (*Blue Daisy*)

Cœlestis. *Greenhouse Plant.* Tender perennial, with beautiful blue flowers. For winter blooming in conservatories. 1 ft. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 75 cts.

AGROSTEMMA

Rose Campion; Mullein Pink

Coronaria. *Hardy Perennial.* Large; dark blood-red. Foliage silvery. June-Sept. 2 ft.

Coronaria alba. White. **Mixed.**

Flos-Jovis. *Hardy Perennial.* Pink. 1 ft.

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

AFRICAN DAISY. See Arctotis and Dimorphotheca.

Plant a Bed of Antirrhinums with an Edging of Ageratum and Alyssum



Border of Alyssum

SWEET ALYSSUM

White Carpet (*A. compactum procumbens*). *Hardy Annual*. Pure white flowers are produced profusely. 2 to 3 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Annual Yellow (*A. lutescens*). *Hardy Annual*. Pale yellow fading to white. 6 in. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1, 1/4lb. \$3.50.

Lilac Queen. *Hardy Annual*. Lilac-colored flowers. It also makes a fine combination with White Carpet. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1, 1/4lb. \$3.50.

Little Gem (*A. maritimum*). *Hardy Annual*. Plants grow 4 inches high, and each covers a circle of 12 to 20 inches. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts., 1/4lb. \$2.50.

Sweet Alyssum (*A. Benthami*). *Hardy Annual*. Well-known fragrant white variety. Pkt. 10 cts., 1/4oz. 15 cts., oz. 50 cts., 1/4lb. \$1.50.

Saxatile compactum (Golden Rain). *Hardy Perennial*. Excellent rock or border plant, bearing bright yellow flowers from April to June. 9 in. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Saxatile, Silver Queen. *Hardy Perennial*. There are so few early spring-blooming perennials that this variety will be especially appreciated for its large masses of the palest lemon flowers. Pkt. 25 cts., 5 pkts. \$1.

Perennial Rock Species, Mixed. Includes such varieties as Montanum, Rostratum, Corymbosum, Gemonense, etc. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

ALKANET. See Anchusa.

ALLEGHENY VINE. See Adlumia.

ALOYSIA. See Verbena.

ALUM ROOT. See Heuchera.

AMARANTH. See Globe Amaranth.

AMARANTHUS

Annual. Brilliant-foliaged plants 3 to 5 feet high, some bearing curious racemes of flowers. Useful in borders of tall plants, or for the centers of large beds. They thrive best in a hot, sunny location.

Caudatus (Love-Lies-Bleeding). Blood-red; drooping. Pkt. 10 cts.

Cruentus (Prince's Feather). Dark red, feathery flowers. Pkt. 10 cts.

Sunrise. Foliage bronzy crimson, each branch terminating with a tuft of bright scarlet-carmine leaves. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. \$1.

Molten Fire. Best and showiest. Bronze foliage tipped with a head of fiery scarlet. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. \$1.

Tricolor (Joseph's Coat). Leaves red, yellow, and green. Pkt. 10 cts.

ANAGALLIS

Annual. Splendid edging plant because its flowering period is so long and its blossoms are so beautiful. Like its wild relative, the scarlet pimpernel, it opens its flowers widest when fine weather is due and closes them tight as a storm warning.

Bluebird. Beautiful shade of lobelia-blue.

Terra-Cotta-Red. A cheerful, brilliant hue. Each, pkt. 10 cts., 1/4oz. 50 cts.

ANTHEMIS

Kelwayi (Marguerite). *Perennial*. Large, yellow daisy flowers; for cutting. 2 ft. July-Sept.

Nobilis (Chamomile). *Perennial*. White. 2 ft.

Tinctoria. *Perennial*. Fine-cut foliage, with yellow daisy flowers. June-Oct.

Each, pkt. 10 cts., 1/4oz. 75 cts., oz. \$2.50

Gorgeous Antirrhinums • Snapdragons

They bloom continuously and their colors are brilliant

Treat as Annuals. Seed may be sown in the open ground early in May and be had in bloom in summer, but it is best to start the plants indoors or in a frame in March and transplant.

New Rustproof Strains are described on page 7

The following are not Rustproof

Mammoth Antirrhinums

Height about 3 ft.

Peach Blossom. Pink.

Yellow Bird. Yellow, deeper lip.

Copper King. Bronzy copper.

Old Gold. A rich tint.

Ruby. Dark wallflower-red.

Snowflake. Dazzling white.

Mixed Super-Giants. A mixture of all shades.

Each, pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, best 6 varieties, \$1

Giant-flowered Tall Varieties

Height about 2 1/2 ft.

Harmony. Terra-cotta-orange, shaded rose.

Rose King. Deep rose self.

Queen Victoria. White.

Rose. Beautiful rose-pink.

Scarlet. Bright scarlet.

Yellow. Rich golden yellow.

Each, pkt. 15 cts., 1/4oz. 75 cts.

Mixed. Pkt. 10 cts., 1/4oz. 60 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Greenhouse Antirrhinums are offered on page 7

ANCHUSA (*Alkanet*)

Capensis. *Biennial*. Flowers azure-blue. 1 1/2 ft. July, Aug. Pkt. 10 cts., 1/4oz. 25 cts.

Italica, Dropmore Variety. *Perennial*. A hardy plant whose bright blue, forget-me-not-like flowers are borne on graceful stems late into the fall. A great improvement over existing varieties. 4 to 5 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Opal. *Perennial*. Beautiful hardy plant, similar to Dropmore, but pale blue. Pkt. 25 cts., 1/4oz. \$1, \$3.50.

New Annual, Blue Bird. Dwarf, compact type, 18 inches high, with vivid indigo-blue blossoms. Flowers two months after sowing. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

ANEMONE

Chrysantha. *Hardy Perennial*. Considered the best strain in cultivation. Flowers are double and the mixture contains a complete range of colors. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Single Giant de Caen (Windflower). *Hardy Perennial*. The giant French Anemone. Excellent for cutting. 9 in. Pkt. 15 cts., 1/4oz. 75 cts.

Blue Poppy. *Hardy Perennial*. A fine all-blue sort. Pkt. 25 cts., 1/8oz. 75 cts.

His Excellency. *Hardy Perennial*. An all-red variety. Pkt. 25 cts., 1/8oz. 75 cts.

St. Brigid. *Hardy Perennial*. Creagh Castle strain of the Irish Anemone. A great variety of colors. Pkt. 25 cts., 5 pkts. \$1.

ANODA

Hastata. *Hardy Perennial*. Handsome giant Mallow having glaucous green, almost evergreen foliage and large, pink, trumpet flowers. Pkt. 35 cts., 3 pkts. \$1.

Giant-flowered Half-High Varieties

Height about 1 1/2 ft.

Malmaison. Pure silvery pink, contrasting well with the deep green foliage. Pkt. 25 cts., 5 pkts. \$1.

***Apricot Queen**. Pink, white tube.

***Carmine Queen**. Rose-carmine.

Empress. Rich velvety crimson.

Fascination. Pearly pink self.

***Fawn**. Rose and gold.

***Firebrand**. Scarlet, with yellow lip.

***Golden Queen**. Rich, pure yellow.

***Purity**. Pure white.

Mauve Queen. Lilac-mauve.

Rose Dore. Rose suffused orange.

Each, pkt. 15 cts., 1/4oz. 75 cts.

Mixed. Pkt. 10 cts., 1/4oz. 60 cts.

COLLECTIONS: { Pkt. each, 10 varieties, \$1

{ Pkt. each, 6 marked *, 75c.

Midget Antirrhinum

Height 6 in.

Rock Hybrids. Compact plants for edgings and the rock-garden in a wonderful mixture of colors. Early and continuous. Pkt. 25 cts., 1/8oz. \$1.

Our Asters Are Unsurpassed for Size, Sturdiness, and Bright Color

Superb Asters

For Wilt-Resistant
Strains see page 8

Annual. Asters should have an open, sunny position, and prefer a good, heavy, loamy soil enriched with Bone Dust; we do not advise growing them on the same ground two years in succession. For early flowering seeds should be started in a sunny window, hotbed or coldframe in April and transferred to the garden as soon as danger of frost has gone by. Midseason and late types may be sown outside in May, thinning out to 1 foot in the rows and 2 feet between.



Giant Sunshine Asters

EARLY WONDER. We consider this the earliest Aster in our list, flowering in early July from seeds sown in the open ground at the end of April, or, if sown indoors in March, can be had in bloom before the close of June. The flowers are of good size, quite double, and are borne on good, long, stiff stems, which, added to their extremely early flowering, makes them of great value for cutting.

Carmine-Rose	Light Rose
Light Blue	Crimson
White	Mixed
Dark Blue	

Each, pkt. 15 cts., 1/4oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

LILLIPUT-FLOWERED. A beautiful strain of early, dwarf Aster. They grow 14 inches high and produce an abundance of small flowers that are valuable for cutting.

Crimson	White, Blue Center
Dark Blue	White, Rose Center
Brilliant Rose	Pure White
Fiery Scarlet	Mixed

Each, pkt. 20 cts., 1/4oz. 90 cts., oz. \$2.75

COLLECTION: Pkt. each, above 7 colors, \$1.25

New Giant Peony-flowered

This magnificent strain is exceptionally good for cutting, the stems being upright, non-lateral branching, and the flowers keep splendidly. They often exceed 6 inches in diameter.

White	Rose
Azure-Blue	Purple
Apple-Blossom	Mixed
Peach-Blossom	

Each, pkt. 25 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, \$1.25

Giants of California

Remarkable for the perfect form of the flowers, their immense size, and true, clear colors. The sturdy, upright plants produce giant blooms, often 6 inches across, fully double, of great substance, and on long stems. For decorative effect in the garden and for cut-bloom.

Light Blue	White
Peach-Blossom	Light Purple
Rich Rose	Dark Purple

Each, pkt. 15 cts., 1/8oz. 40 cts.,
1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 6 colors, 75c.

Giant Sunshine

Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter. The grace and beauty of build, with cushiony centers of tubular bifurcate florets and the rim of exquisitely pointed out-guard florets surrounding the central disk, make for a lace-like perfection and daintiness of form and contour that must appeal to the most æsthetic taste. An improved strain.

Pale Pink	Rich Rose
Lavender	White
Salmon-Pink	Mixed
Light Blue	

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$1

Hardy Perennial Asters

Michaelmas Daisies

Single, summer and fall-flowering, hardy herbaceous plants which thrive in any good garden soil.

Alpinus. Large bluish purple flowers in May and June. Good rock-garden plant. 9 in. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Alpinus albus. White form of above. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Amellus bessarubicus. Large, rich violet flowers in profusion in August and September. 2 ft. Pkt. 15 cts., 1/8oz. \$1.50.

Novæ-angliæ, Mixed. Good-sized flowers in September and October. 4 ft. Colors, Violet-Purple, Reddish Crimson, and Pink. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Subcæruleus. Large, light blue flowers 2 to 3 inches across, on 18-inch stems, in June and July. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Subcæruleus, Wartburg Star. Bright lavender-blue, with pronounced yellow centers. Long stems. Excellent for cutting. 2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

ARABIS (Rock Cress)

Alpina. Perennial. For edging and rockeries. Spreading tufts are covered with white flowers as soon as snow disappears. Pkt. 10 cts., 1/4oz. 50 cts.

Alpina rosea. Perennial. Similar, except in color, a bright rose. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.

HARDY AQUILEGIAS

Columbines

Perennial. Fine, free-flowering, hardy border plants. Seed may be sown in the open ground in early spring or early summer.

GIANT LONG-SPURRED. The plants are of a strong, thrifty growth, perfectly hardy and bear long-spurred, large flowers.

Blue Shades. Splendid selection of all hues from light to dark blue.

Pink Shades. Contains the various tones from light pink to darkest rose.

Scarlet Shades. All the colors of light scarlet, dark scarlet, and crimson.

Mixed Shades. Including all colors from pure white to pink, rose, red, yellow, crimson, blue, and various bi-colors.

Each, pkt. 25 cts., 1/8oz. \$1.50,
1/4oz. \$2.50, oz. \$7.50

Crimson Star. Blood-red, center petals white. Pkt. 25 cts., 5 pkts. \$1.

Cærulea. Violet-blue and white. 2 ft. Pkt. 15 cts., 1/8oz. \$1.25, 1/4oz. \$2.

Chrysantha. Canary-yellow. 3 ft. Pkt. 10 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Californica hybrida. Yellow and orange shades. Pkt. 15 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Rose Queen. Rose shades with white centers and yellow anthers. 3 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.75.

ARCTOTIS (African Daisy)

Annual. Sow indoors in late winter and plant out when danger of frost has passed; or sow in the open in May.

Breviscapa aurantiaca. Dark orange, daisy-like flower, shading to reddish brown on the back. 6 in. Pkt. 35 cts., 3 pkts. \$1.

Grandis. Flowers are large and showy, white on the upper surface, lilac-blue beneath. 2 to 3 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Sawco Hybrids. Recommended especially for cut-blossoms. Mixture comprises: Coppery Rose, Red, Crimson, Orange, Gold, Cream. Pkt. 35 cts., 3 pkts. \$1.

ARENARIA (Sandwort)

Montana. Perennial. For the rock-garden or edging. A trailing carpet of green with white flowers. 6 in. Pkt. 25 cts.

ARGEMONE

Mexican or Prickly Poppy

Mexicana. Annual. Ornamental spiny foliage has a clear silvery mid-rib. Flowers are poppy-like, over 3 inches across, yellow to creamy white. Blooms all summer. 3 ft.

Platyceras rosea. Annual. Recent introduction similar to the above with rich ruby-rose flowers.

Each, pkt. 10 cts., 1/4oz. 50 cts.

ARMERIA (Sea-Pink)

Perennial. Dwarf plants that thrive almost anywhere. For the alpine garden or as edging plants. 9 in.

Bees' Ruby. Deep rosy red. Pkt. 50 cts., 3 pkts. \$1.25.

Formosa. Pink. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Laucheana. Double; rose-crimson. Pkt. 25 cts., 1/8oz. \$2, 1/4oz. \$3.50.

Maritima. Red. Pkt. 25 cts., 1/8oz. \$2, 1/4oz. \$3.50.

For a Beautiful Old-World Effect, Plant a Bed of Balsams

ARNEBIA

Arabian Primrose; Flower of the Prophet

Cornuta. Annual. Easily grown, and produces yellow flowers spotted with brown. 2 ft. Pkt. 15 cts., 2 pkts. 25 cts.

ARTEMISIA (Sage Bush)

Argentea. Annual. White, silky foliage. For cutting. 1 to 2 ft. Aug., Sept. Pkt. 25 cts., 5 pkts. \$1.

Sacrorum (Summer Fir). Annual. Stately, leafy plant, spring-sown. Grown for its pyramidal form and ornamental foliage. 4 ft. Pkt. 10 cts.

ASCLEPIAS

Curassavica. Greenhouse Plant. Winter-bloomer with showy orange flowers. 2 ft.

Tuberosa (Butterfly Weed; Pleurisy Root). Hardy Perennial. Orange flowers. 2½ ft. Each, pkt. 15 cts.

ASPARAGUS

Plumosus nanus. Greenhouse Plant. A graceful pot-plant for house or conservatory. Finely cut foliage. Pkt. 25 cts., 100 seeds 60 cts., 500 seeds \$2.25, 1000 seeds \$4.

Sprengeri. Greenhouse Plant. For hanging-baskets or cutting. Pkt. 15 cts., 100 seeds 50 cts., 500 seeds \$2, 1000 seeds \$3.

ASPERULA (Sweet Woodruff)

Odorata. Perennial. Creeping plant, with deep green, whorled foliage; white flowers. Useful for shady situations. 6 in. June, July. Pkt. 10 cts., ¼oz. 50 cts.

AUBRIETIA (False Wall Cress)

Perennial. Rock-plants, forming masses of silvery green foliage and sheets of flowers in spring and early summer.

Bougainvillei. Dark blue flowers. Pkt. 15 cts., 2 pkts. 25 cts.

Deltoidea. Lilac. 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

Græca. Light blue. 6 in. Pkt. 15 cts., 2 pkts. 25 cts.

Leichtlinii. Bright reddish crimson. Pkt. 25 cts., 5 pkts. \$1.

Large-flowering Hybrids, Mixed. A fine strain and a wide color-range. Pkt. 25 cts., ¼oz. \$1, ½oz. \$1.50.

AURICULA

New Triumph Strain

Perennial. Primrose-shaped blooms 1½ to 2 inches in diameter on extra-strong stalks in an immense variety of color, from dark crimson-scarlet through pink and terra-cotta to primrose and cream.

Seed may be sown under glass in March, and the plants carried along for blooming indoors the following winter, or for bedding during the ensuing spring. Pkt. 50 cts., 3 pkts. \$1.25.

Choice Mixed. 6 in. Pkt. 25 cts.

See other Primulas on page 38.

AVENS. See Geum.

BABY'S BREATH. See Gypsophila.

BALLOON FLOWER. See Platycodon.

BALLOON VINE (Love-in-a-Puff)

Annual Climber. Rapid-growing climber; needs a light soil and sunny situation. Flowers are white and the balloon-like seed-vessels are interesting. Sow as soon as ground becomes warm, in an open situation. 8 ft. Pkt. 10 cts., ½oz. 30 cts., oz. 50 cts.

BALSAM (Lady's Slipper)

Annual. An old garden flower, producing brilliantly colored, double flowers in great profusion. Start the seed indoors in April, or sow outdoors in May. 2 ft.

White Perfection. Large; white.

Scarlet King. Glowing, fiery scarlet.

Salmon Queen. Deep rose-pink.

Lilac Gem. Beautiful pale lilac.

Purple King. Rich purple.

Primrose Gem. Beautiful primrose.

Each, pkt. 10 cts., ¼oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

S. & W. CO.'S DOUBLE, MIXED. Self-colors as well as spotted, blotched and striped varieties. Pkt. 10 cts., ¼oz. 30 cts., oz. \$1.

BAPTISIA (False Indigo)

Australis. Perennial. Deep green, cut foliage and lupine-like dark blue flowers. 3 ft. June, July. Pkt. 15 cts., ¼oz. \$1.50.

BARTONIA

Aurea. Annual. Bright golden flowers from July to September. Fine for cutting. 1 ft. Pkt. 10 cts., ¼oz. 50 cts.

BALSAM APPLE and PEAR. See Monarda.

BANANA. See Musa.

BEAN, HYACINTH. See Dolichos.

BEAN, SCARLET RUNNER. See page 49.

BEARD TONGUE. See Pentstemon.

BEAR'S BREECH. See Acanthus.

BEE BALM. See Monarda.

BELLFLOWER, JAPANESE. See Platycodon.

BERGAMOT. See Monarda.

BLACK-EYED SUSAN. See Thunbergia.

BLANKET FLOWER. See Gaillardia.

BLAZING STAR. See Liatris.

BLUEBELL, CALIFORNIA. See Phacelia.

BELLIS (English Daisy)

Perennial. Will stand the winter if given the protection of a little litter. Blooms from early spring until summer. Seed may be sown any time from spring until August.

Giant-flowering.

White. Pkt. 25 cts., ¼oz. \$1.

Pink. Pkt. 25 cts., ¼oz. \$1.

Mixed. Pkt. 25 cts., ¼oz. \$1.

Snowball. Pkt. 15 cts., ¼oz. 75 cts.

Longfellow. Pkt. 15 cts., ¼oz. 75 cts.

Double Red Quilled. Pkt. 25c., ¼oz. \$3.

English Daisy (Bellis perennis). The small wild flowers found in English lawns. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

BIDENS

Humilis. Annual. Flowers a few weeks after sowing. Small, bright yellow flowers. Pkt. 10 cts., ¼oz. 50 cts.

BEGONIAS

Greenhouse Plants and Summer Bedders

Everblooming Bedding Varieties

The following varieties of *Begonia semperflorens* and *B. gracilis* take rank as bedding plants with geraniums and coleus, doing equally well in full sunlight, and surpassing both in positions partially or wholly in shade. They are of sturdy growth, growing about 1 foot high, and forming dense bushes which, from May until frost, are completely hidden with flowers. As pot-plants they are a mass of bloom throughout the entire year. Easily raised from seed, which should be started either indoors or in a hotbed.

Semperflorens Type

Christmas Cheer. Magnificent novelty. Bears flowers which attain a diameter of 2 inches, the plants being covered with a mass of blooms. The color is bright cherry-red. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Christmas Pink. Same as above, except in color, which is a beautiful shade of bright pink. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$3.50.

Erfordii. Rosy carmine. Green foliage. Pkt. 15 cts.

Rosabella. Rose-pink. 6 in. Pkt. 25 cts.

Triumph. Pure, glistening white. Pkt. 15c.

Dwarf Vernon. Bright orange-carmine. Pkt. 20 cts.

Gracilis Type

Primadonna. Carmine-rose. Brown-tinted foliage.

Bonfire. Scarlet. Metallic brown foliage.

Luminosa. Brilliant dark scarlet. Very effective. Each, pkt. 25 cts.

Tuberous-rooted Type

Excellent for both indoor and outdoor cultivation (during summer).

Single, Mixed.

Double, Mixed.

Each, pkt. 25 cts.

BOCCONIA

Plume Poppy; Tree Celandine

Cordata. Perennial. Effective as single specimens or groups on lawns. Foliage glaucous green. Bears spikes of cream-colored flowers 2 to 3 feet long. 5 ft. Pkt. 10 cts., ¼oz. 50 cts.

BOUNCING BET. See Saponaria.

BROOM. See Genista.



Bellis perennis

The Modern Calendula Is Widely Used as a Cut-Flower



Calendula, Campfire

BOLTONIA (False Chamomile)

Perennial. Daisy-like flowers from July to September. 4 to 6 ft.

Asteroides. White.

Latisquama. Lilac-pink.

Each, pkt. 10 cts.

BRACHYCOME (Swan River Daisy)

Annual. Dwarf plant covered during the greater part of the summer with a profusion of flowers.

Blue Star. Pkt. 15 cts., 1/4 oz. 75 cts.

Red Star. Pkt. 15 cts., 1/4 oz. 75 cts.

White Star. Pkt. 15 cts., 1/4 oz. 75 cts.

BROWALLIA (Amethyst)

Annual. Beautiful rich blue flowers during summer and autumn. Blooms freely in winter if plants are lifted and cut back.

Sapphire. Covered with large, dark blue, white-eyed, lobelia-like flowers. 10 in.

Speciosa major. Large; blue.

Each, pkt. 25 cts.

BUTTERFLY FLOWER. See Schizanthus.

BUTTERFLY WEED. See Asclepias.

CALCEOLARIA

Greenhouse Biennials and Bedding Plants

S. & W. Co.'s Giant Strain. This is grown by a famous English seed-growing specialist, and the strain is, in our opinion, the finest obtainable. For greenhouse growing it is unexcelled. Pkt. 50 cts., 3 pkts. \$1.25.

Albert Kent. Bears immense trusses of bloom; individual flowers are about 1 1/2 inches across. They are bright golden yellow with a rich maroon-red blotch. Although an indoor sort, it may be planted outside in a sheltered situation. Pkt. 25 cts., 5 pkts. \$1.

Multiflora nana, Golden Tiger. Small yellow, brown-spotted flowers are produced in great profusion. Pkt. 50 cts., 3 pkts. \$1.25.

Rugosa, Mixed Varieties. Shrubby; for bedding. Pkt. 50 cts., 3 pkts. \$1.25.

CALENDULAS

Pot Marigold

Annual. For garden use, sow in the open in spring, or earlier indoors, and transplant. Invaluable for growing under glass during winter for cut-flowers.

New Double Art Shades. A mixture of colors that hitherto have been unobtainable: pastel hues of cream, apricot, yellow, tangerine, etc. Suitable for both indoors and out. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Campfire (Sensation). This fine type has been accepted as the best forcing Calendula. The flat blooms are large, brilliant orange, with a scarlet sheen, and a full yellow center. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Radio. The florets are beautifully quilled and the flower is very globular in shape. In color it is a warm, deep yellow. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Chrysantha. Large, double, buttercup-yellow flowers, globe-shaped and with large, drooping chrysanthemum-like florets. Pkt. 15 cts., 1/4 oz. 35 cts., oz. \$1.25.

Golden King. Rich golden yellow.

Lemon King. Rich lemon-yellow.

Orange King. Deepest orange.

Above three, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 3, 35 cts.; 1/4 oz. each of above 3, \$1.25

BALL'S STRAIN CALENDULAS

Ball's Orange Improved.

Ball's Gold Improved.

Ball's Apricot.

Ball's Masterpiece.

Ball's Supreme.

Each, pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.50

CACALIA

Coccinea (Tassel Flower; Flora's Paint-Brush). Annual. Bright red, tassel-shaped flowers. 1 1/2 ft. June-Sept. Pkt. 10 cts., 1/4 oz. 50 cts.

CALANDRINIA

Grandiflora. Annual. Light purple flowers with yellow stamens. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.

CALIFORNIA POPPY. See Eschscholtzia.

CANARY-BIRD FLOWER

Tropaeolum canariense

Annual Climber. A rapid-growing, tall, climbing plant, producing hundreds of its pretty, fringed bright yellow flowers. Pkt. 10 cts., 1/4 oz. 25 cts.

CARDINAL CLIMBER

Ipomoea Quamoclit cardinalis

Annual Climber. A rapid-growing, half-hardy climber, often reaching 30 feet. The foliage is fern-like and the flowers are cardinal-red, 1 1/2 inches in diameter, and borne in clusters. Sow seeds indoors during April or outdoors in May. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.



Annual Calliopsis

CALLIOPSIS and COREOPSIS

Sow seed where intended to bloom in early spring; thin out to 6 inches apart. Gather flowers freely, as doing so prolongs the blooming season until autumn.

ANNUAL CALLIOPSIS

The Sultan. Very large flowers of a rich maroon-crimson. 1 to 1 1/2 ft.

*Golden Wave. Rich golden yellow, chestnut-brown center. 1 ft.

*Crimson King. Crimson-garnet. 10 in.

*Marmorata. Golden yellow and red. 2 ft.

*Tiger Star. Rich reddish brown, tigered with golden yellow. 10 in.

*Niger speciosa. Large, rich reddish brown flowers. 2 ft.

*Bicolor nana. Yellow, garnet eye. 10 in.

Golden Ray. Rich maroon flowers edged golden yellow, twisted like the cactus dahlia. 9 in.

Tinctoria. Bright yellow and maroon. 2 ft.

S. & W. Co.'s Mixture. A select mixture of tall varieties.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, 6 marked *, 50 cts.

PERENNIAL COREOPSIS

Grandiflora. Deep golden yellow, cup-shaped flowers, on fine stems for cutting. 2 ft. Pkt. 10 cts., 1/4 oz. 40 cts.

Grandiflora flore-pleno. Produces a high percentage of large, double, rich yellow flowers. Invaluable for bedding or cut-flower purposes. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Lanceolata grandiflora. Golden yellow. Pkt. 10 cts., 1/4 oz. 50 cts.

Mayfield Giant. The plant is more vigorous than the type, with larger flowers on longer stems, and the color is more intense yellow. 3 1/2 ft. Pkt. 25 cts., 1/4 oz. \$1, oz. \$3.50.

CATANANCHE

Bicolor. Perennial. Blue and white. 3 ft.

Cærulea. Perennial. Blue. 3 ft.

Each, pkt. 25 cts.



S. & W. CO.'S DWARF BEDDING DAHLIAS (Annual)

Grows 2 ft. high

Mixed, pkt. 25c., 1/8oz. \$1, 1/4 oz. \$1.50, oz. \$5



NICOTIANA, CRIMSON BEDDER (Annual)

Grows 15 in. high. Pkt. 15c., 1/8oz. 50c., 1/4oz. 75c.



GAILLARDIA PICTA, INDIAN CHIEF (Annual)

Grows 2 ft. high

Pkt. 15c., 1/4oz. 75c.,
oz. \$2.50



COSMOS, EARLY ORANGE FLARE (Annual)

Grows 4 ft. high

Grand Champion Gold Medal, 1935 All-America
Seed Selections. Pkt. 15c., 1/4oz. 75c., oz. \$2.50



TALL FRENCH MARIGOLD, JOSEPHINE
Pkt. 15 cts., 1/4oz. 25 cts., 75 cts.

Height 3 feet

4 Fine Mari- golds (ANNUALS)



MARIGOLD, DIXIE SUNSHINE

Award of Merit 1936 All-America Seed Selections

Very free-flowering, compact and somewhat pyramidal, bears loosely ruffled, chrysanthemum-flowered blooms. Height 2½ feet.

Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25



*Gold Medal 1933
All-America
Seed Selections*

Height 2½ feet

MARIGOLD, YELLOW SUPREME
Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50



MARIGOLD, GUINEA GOLD

True reselected strain

A distinct type with graceful, pyramidal habit, growing 2½ to 3 feet high, and producing 30 to 40 flowers of a brilliant shade of orange-gold. Pkt. 15 cts., 1/4oz. 35 cts., oz. \$1

SPECIAL COLLECTION OFFER: One pkt. each of above 4 Marigolds (total 4 pkts.) **50c.**

The Annual Carnation Is Beautiful—and of the Simplest Culture



Carnations

CARNATIONS

They are veritable Jewels of the Garden

Annual Varieties

GIANT DOUBLE KING. Rich color, delicious fragrance, and ease of culture characterize this sort. Seed may be sown outdoors when cold weather has gone, or, for earlier bloom, they may be sown in a frame, a greenhouse, or in a sunny window. Plant out the seedlings 6 inches apart, and from midsummer until frost you will have Carnations just as full and sweetly perfumed as those sold by the florist, and almost as large. You may remove side-buds so as to allow one flower on a stem at a time.

Maroon King	White King
Rose King	Yellow King
Pink King	Red King

Mixed, All Colors

Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

COLLECTION: Pkt. each, above 6 colors, 75c.

ENFANT DE NICE. This strain is the result of a cross between Chabaud's Giant Improved and Perpetual. The plants are of robust, upright habit, with large, strong stalks bearing flowers 2 1/2 to 3 inches in diameter. This strain is magnificent and is, thus far, the last word in annual Carnations. The color comes about 75 per cent true from seed, and the plants are about 90 per cent double. We offer this strain in the following five colors as well as a mixture, which includes many colors not yet available separately.

Red	Salmon	White
Rose	Striped	Mixed

Each, pkt. 50 cts., 3 pkts. \$1.25

Perennial Varieties

Chabaud's Everblooming. Raised by a famous French specialist. Blooms in five months after being sown, and continues to flower in the greatest profusion. Mixed colors. Pkt. 15 cts., 1/4oz. 75 cts.

Mixed Marguerite Carnations. Pkt. 10 cts., 1/4oz. 60 cts., oz. \$2.

Double Border, Dwarf Grenadin

An early type of hardy perennial Carnations, with large blooms that are highly valuable for room decoration. Its low stature, however, makes it suitable for growing in the rock-garden. Height 14 inches.

King of the Blacks	Yellow
White	Rose Queen
Scarlet	Mixed

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

CAMPANULA

Canterbury Bells

Campanula Medium

Biennial. Should be sown from June to September; when strong enough, transplant 6 inches apart; after frost has set in, protect with leaves and straw. They flower the following June, after which they die.

Single White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Double White, Rose, Light Blue, Dark Blue, and Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Dwarf Bedding, Mixed. A really dwarf, compact type; splendid for bedding. Pkt. 35 cts., 3 pkts. \$1.

Annual Canterbury Bells

If seeds are sown in gentle heat during February and March, and the seedlings planted out in the garden as soon as danger of frost has passed, the plants will bloom in September.

Wedding Bell. A new variety. Pure white.

Liberty Bell. Violet-blue.

Blue Bell. Beautiful Cambridge-blue.

Angelus Bell. Rose-pink.

Mission Bell. Clear pink.

Mixed.

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5

COLLECTION: Pkt. each, above 5 colors, \$1

Cup-and-Saucer Bells

Campanula calycanthema

These produce beautiful, large, single flowers resembling a cup and saucer.

White, Rose, Light Blue, Dark Blue, and

Mixed. Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Perennial Campanulas

These are among our best border plants. All have dainty bell-shaped flowers. Some will flower the first season from seed.

Carpatica. Largely used for edging. Flowers of deep blue all summer. 6 in. Pkt. 15 cts., 1/4oz. \$1.

Carpatica alba. The white form of the above. Pkt. 15 cts., 1/4oz. \$1.

Fragilis. A trailing plant with pale purplish blue, white-centered flowers. Pkt. 25 cts., 5 pkts. \$1.

Garganica. A lovely trailing rock-plant. Delicate pale blue. Pkt. 25 cts., 5 pkts. \$1.

Macrantha. Blue. Pkt. 10 cts., 1/4oz. 75 cts.

Persicifolia grandiflora, Blue (Peach Bells). Grows 2 to 3 feet high, with large, blue flowers. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Persicifolia grandiflora alba. The white form of the above. Pkt. 20 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Persicifolia grandiflora, Telham Beauty. Large flowers of delicate china-blue; within the bells is a beautiful silvery shading. 4 ft. Pkt. 25 cts., 1/8oz. \$1.50, 1/4oz. \$2.50.

Pyramidalis (Chimney Bellflower). Erect, pyramidal plant with beautiful blue flowers. 4 ft. Pkt. 15 cts., 1/4oz. \$1.

Pyramidalis, White. Pkt. 15 cts., 1/4oz. \$1.

Rotundifolia, Olympica. A variety of the Harebell or "Bluebells of Scotland." Light blue, bell-shaped flowers the entire season. Does well in shade. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

CATCHFLY. See Silene.

CANDYTUFT (*Iberis*)

Popular fragrant plant for bedding or border work. Sow outdoors in April, where it is to bloom, and thin well when the plants grow about 1 inch. Sow also in July for fall blooming. Best results can be obtained by spacing the plants at least a foot apart.

Giant Hyacinth-flowered White. Tall.

A fine white annual variety. The flowers are of large size, borne in large trusses well above the foliage. For cutting or the border. Pkt. 10c., 1/4oz. 50c., oz. \$1.50.

Miniature Hyacinth-flowered

The Gem. The trusses of large flowers are pushed above the plant, as in the Hyacinth-flowered type, but the entire plant is only 4 inches high. Pure white. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Mammoth-flowered Candytuft

Large-flowered but uniformly dwarf variety, suitable for edging, bedding, and for growth in the annual border.

Carminé
Rose-Cardinal
White

Lavender
Crimson
Flesh-Pink

Each, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Perennial Candytuft

Gibraltarica. White, shaded pink. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Sempervirens. White flowers. Evergreen. Pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 90 cts., oz. \$2.75.

CASTOR-OIL PLANT

Ricinus

Annual. Tall, stately growing tender plants of tropical appearance.

Africanus. Very large green foliage.

Zanzibarensis. Giant type from Africa.

Borboniensis arboreus. Green foliage. 15 ft.

Communis. Green foliage. 6 ft.

Gibsoni. Dark, purplish red foliage. 6 ft.

Cambodgensis. Leaves bronzy maroon; red veins; stems black.

Duchess of Edinburgh. Dark red foliage. 6 ft.

Sanguineus. Tricolor, red spotted. 10 ft.

Each, pkt. 10 cts., oz. 25 cts.

Mixed. Pkt. 10 cts., oz. 25 cts., 1/4lb. 75 cts., lb. \$2.

CEPHALARIA

Alpina. Perennial. For planting at the back of the border or to hide fences. Yellow, scabious-like blossoms on long stems. A striking plant and valuable for cut-flowers. 5 ft. July. Pkt. 25 cts.

CERASTIUM

Tomentosum. Perennial. Pretty, dwarf, white-leaved edging plant. Small white flowers. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

CHELIDONIUM

Biennial. This is a most attractive plant growing 4 to 5 feet high, with attractive gray-green, cut foliage, somewhat resembling that of meconopsis. The flowers, of a beautiful butter-yellow, are produced freely. Pkt. 50c.

Double Blue Cornflowers Are Favorite Flowers Everywhere



Celosia, Pride of Castle Gould

CELOSIA ANNUAL

Celosia cristata (Cockscomb)

Free-blooming plants, growing best in light soil. Grand border plants, and they are attractive for pots. Seed can be sown under cover in early spring and planted out in May, or may be sown outdoors in May. 1 ft. **Empress.** Rich crimson. **Glasgow Prize.** Dark crimson. **Golden Yellow.** A rich shade. **Rose.** A fine deep pink.

Each, pkt. 15 cts., 1/4oz. \$1
Dwarf Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Celosia plumosa

Feathered Cockscomb

Make fine plants for large beds or groups, and the plumes or flowers can be cut and dried for winter bouquets.

Ostrich-plumed, Crimson.
Ostrich-plumed, Yellow.
Ostrich-plumed, Mixed.

Each, pkt. 10 cts., 1/4oz. 50 cts.

Celosia plumosa, Heatherdell

Wonderful colors and a compact growth are the outstanding features of this Celosia. It is especially recommended for greenhouse and conservatory culture.

Golden Feather. Yellow.
Fiery Feather. Red and pink shades.

Each, pkt. 50 cts., 3 pkts. \$1.25

Celosia Thompsoni magnifica

Improved Strain of Feathered Cockscomb

Of pyramidal growth, often attaining the height of 3 feet, and producing graceful, feathery plumes of the most magnificent shades.

Crimson. Bright crimson.
Yellow. Beautiful yellow.

Each, pkt. 15 cts.

Mixed. Pkt. 10 cts., 1/4oz. 75 cts.

Celosia Childsi (Chinese Woolflower)

This is a unique form of the Feathered Cockscomb, growing 2 to 3 feet high. Each branch is terminated with a large head of flowers that seem to be made out of some silky wool material. Very effective for beds, borders, or cut-flowers.

Crimson. Very rich color.
Pink. Dark pink.
Yellow. Light gold.
Fine Mixed.

Each, pkt. 15 cts., 1/4oz. \$1, oz. \$3.50

Celosia pyramidalis, Pride of Castle Gould

A distinct type and surpassing by far anything yet on the market. The compact, pyramidal plants grow from 2 to 3 feet high, with immense feathered heads of all colors: Blood-red, Wine-red, Scarlet, Carmine, Salmon, Orange, and Gold.

Mixed Shades. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

CHELONE (Turtlehead)

Perennial. Decorative plant; fine for cutting.

Barbata coccinea. Red. Summer. 3 ft.
Barbata Torreyi. Coral-red. Summer. 3 ft.
Each, pkt. 10 cts., 1/4oz. 50 cts.

Barbata Hybrids, Mixed. Shades of pink, rose, carmine, and violet. Pkt. 10 cts., 1/4oz. 30 cts.



Centaurea imperialis

CHEIRANTHUS

Biennial and perennial sorts, blooming first year

Allioni (Siberian Wallflower). Beautiful little early-flowering perennial Wallflower, with gorgeous orange flowers, for the rock-garden or as a dwarf border plant. Will bloom throughout the summer if seed-pods are removed. May be sown in a hotbed in March and transplanted outdoors in May; or in the open ground in September, where required to flower the following spring. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Kewensis (Greenhouse Wallflower). Valuable, half-hardy, hybrid Wallflower for growing under glass. The flowers are light yellow on opening and change to mauve when more mature. The plants are freely branched, each stem carrying a long spike of flowers. 2 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Linifolius. For rock-gardens. Covered with mauve flowers. 9 to 12 in. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

CHAMOMILE. See Anthemis.
CHAMOMILE, FALSE. See Boltonia.
CHERRY, JERUSALEM. See Solanum.
CHINESE LANTERN. See Physalis.
CHINESE WOOLFLOWER. See Celosia.

CENTAUREAS

Blue Bottle; Bachelor's Button; Bluet Ragged Sailor

There is, perhaps, no more popular plant than the annual Centaurea. Will grow well anywhere and as a cut-flower is much in demand.

Double Cornflowers

Centaurea Cyanus

Seed may be sown outdoors in April, and several sowings will give a succession of bloom. For best results, thin out plants to stand 8 inches apart. *Annuals.*

Blue	White
Maroon	Rosy Red
Rose-Pink	Mixed
Mauve	

Each, pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Giant Sweet Sultans

Centaurea imperialis

Valuable for cutting purposes. Beautiful, deliciously sweet-scented flowers are borne on long, strong stems. We recommend sowing in succession every two weeks from May until July. *Annuals.*

White. Large and sweet-scented.
Pink. With tinge in center.
Purple. Brilliant rosy purple.
Lilac. Beautiful lilac.
Red. New. Deep amaranth-red.
Yellow (*Suaveolens*). Bright yellow.
Mixed. A select mixture of above colors.

Each, pkt. 15 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, above 6 colors, 75c.

Various Centaureas

Americana. Annual. Flowers 4 inches across when fully expanded and of a deep lavender color. Excellent for garden decoration or cutting. 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Americana alba. Annual. White form of the above. Pkt. 15 cts., 1/4oz. 75 cts.

Dealbata. Hardy Perennial. Rose-pink. Pkt. 20 cts., 1/4oz. \$1.

Macrocephala. Hardy Perennial. Large, thistle-like, golden yellow flowers, useful for cutting and fine for the hardy border. 3 1/2 ft. July, Aug. Pkt. 10 cts., 1/4oz. 50c.

Montana (Perennial Cornflower). Hardy Perennial. Large, violet-blue flowers. 2 ft. July-Sept. Pkt. 10 cts., 1/4oz. 50 cts.

Montana alba. Hardy Perennial. White form of the above. Pkt. 15 cts., 1/4oz. 75c.

Ruthenica. Hardy Perennial. Light yellow. Pkt. 25 cts., 1/4oz. \$2.

Pulcherrima. Hardy Perennial. Large yellow flowers. 15 in. Pkt. 25 cts., 1/4oz. \$2.50.

Dusty Millers (Foliage plants)

For edging beds or borders. The glistening white, contrasted with the bright color of the coleus, salvia or red canna, is very striking.

Candidissima. Hardy Perennial. Foliage lanced and silver coated. Pkt. 15 cts., 1/4oz. 75 cts.

Gymnocarpa. Hardy Perennial. Leaves fern-like; a trifle taller than above. Pkt. 10 cts., 1/4oz. 50 cts.

We Have the Finest Strains of Cineraria and Other Greenhouse Plants

CHRYSANTHEMUMS

Annual Varieties

These are splendid subjects for the border or for cutting, and bear their daisy-like flowers in great profusion on strong stems from July to October. Average height 2 ft.

Eldorado. Large, single, deep yellow flowers with a ring of reddish brown. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Burridgeanum (Beaconsfield). White petals, zone of rich brownish red and yellow.

Chameleon. The colors vary, but generally are brown and yellow.

Eastern Star. Clear yellow petals with dark disc.

Evening Star. Yellow petals, dark disc.

Morning Star. Petals canary-yellow, with a halo of deeper yellow, disc darker.

Northern Star. Daisy-like flowers, 3 inches in diameter; pure white, fringed petals with yellow and brown center.

The Sultan. Rich wallflower-red with a narrow yellow zone around the brown disc.

Each, except where noted, pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTION: Pkt. each, above 7 colors, 75c.

Golden Queen. Double; golden yellow. Pkt. 15 cts., 1/4oz. 50 cts.

White Queen. Double; pure white. Pkt. 15 cts., 1/4oz. 50 cts.

Single Annual Varieties, Mixed. A choice mixture. Pkt. 10 cts., 1/4oz. 25 cts.

Double Annual Varieties, Mixed. Pkt. 10 cts., 1/4oz. 25 cts.

Shasta Daisies

PERENNIAL

Mrs. C. Lothian Bell. A very large Daisy which has produced flowers 6 inches across. Blooms a month later than the well-known variety, Alaska, hence the two sorts may well be planted together for a succession of bloom. Pkt. 15 cts., 1/4oz. 75 cts.

Dwarf Avalanche. A low-growing white Daisy for the front of the hardy border. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

Giant Double. An assortment of doubles, semi-doubles, and a type which, though single, forms beautifully shaped flowers, with lacinated, curled, and quilled white florets. Pkt. 50 cts., 3 pkts. \$1.25.

Alaska. Popular variety, with flowers frequently 5 inches across; white, with broad, overlapping petals. Pkt. 15c., 1/4oz. 75c.

Colored Chrysanthemums

PERENNIAL

Double Anemone-flowered. A new race of hardy Chrysanthemums which will flower six months from sowing seed, and every year thereafter in autumn. Many of the brightly colored flowers are quilled and measure from 2 to 3 inches across; they include scarlet, crimson, bronze, orange, gold, yellow, white, etc., and about 30 per cent double flowers may be expected. An admirable greenhouse subject and a valuable outdoor sort when sown under glass in February or earlier. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.50.

CHORIZANTHE

Palmeri (Oriental Rug). *Annual.* A new, easily grown plant for the rock-garden, or it may be used as an edging for the annual border. Produces a dense mat of thousands of small, statice-like flowers of a delicate pink hue, which blends beautifully with the dull green color of the foliage. 8 in. Pkt. 15 cts., 1/4oz. 75 cts.

CINERARIA

Greenhouse Annual. Seed should be sown from May to September where a succession is desired. The main point is to secure as sturdy a growth as possible with leaves of medium size. Seed may be transferred direct from seed-pans to thumb-pots. After planting, place in coldframe facing north, if possible. As pots become full of roots, shift to larger ones until flowering size is reached.

Cremer's Prize Strain. The flowers are large and the color-range exceptionally fine. The florets in most of the plants are wide, and they overlap well to form attractive heads. Smaller leaves than those of the old type. The plants are exceptionally resistant to wilt. Pkt. \$2, 3 pkts. \$5.

California Super-Giants

This strain of prize Cinerarias, grown for us by a famous specialist, produces numerous individual flowers, exceeding 5 inches in diameter, with petals 1 to 1 1/4 inches wide. The giant blooms are borne in large, compact trusses on well-formed plants.

Blue Shades.

Crimson and Carmine Shades. Especially brilliant under artificial light.

Salmon Shades.

Mixed. All the above in pleasing proportion.

Each, pkt. 50 cts., 3 pkts. \$1.25

S. & W. Co.'s Stellata. This variety has delicate, star-like blooms in great profusion on long stems. **Tall and Dwarf Mixed.** Each, pkt. 50 cts.

Multiflora nana, Potsdam. An extra-choice, dwarf-growing strain with the plants completely covered with brightly colored flowers.

Cerulea. Sky-blue. **Rose.**
Azurea. Dark blue. **Mixed.**
Crimson.

Each, pkt. 50 cts., 3 pkts. \$1.25

Matador. A new large-flowering, deep scarlet; adds brilliance to a collection. Pkt. 50 cts., 3 pkts. \$1.25.



Shasta Daisies

COSMIDIUM

Crown of Gold. *Annual.* Daisy-like, orange and yellow flowers, similar to Calliopsis. Sow where the plant is to grow, thin to 6 inches or more apart. June-Oct. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

CLARKIA

Annual. Sow in the open ground in May, or earlier under glass; transplant seedlings when frost is over.

Albatross. The flowers are pure white, very double, and appear in July. 1 ft. Pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 60 cts., oz. \$2.

Glorious. Dark foliage and stems are capped by an abundance of brilliant cherry-scarlet blossoms. Pkt. 30 cts., 3 pkts. 85 cts.

May Blossom. Pure glowing rose, deepening to pink. Free flowering with enormous blossoms. Pkt. 30 cts., 3 pkts. 85 cts.

Double Sorts

Salmon Queen. **Scarlet King.**
Brilliant King. Crimson. **White King.**
Purple King.

Each, pkt. 10 cts., 1/4oz. 50 cts.

COLLECTION: Pkt. each, above 5 colors, 35c.

Mixed. Pkt. 10 cts., 1/4oz. 40 cts.

Single Sorts

Rose **White**
Each, pkt. 10 cts., 1/4oz. 30 cts.

Mixed. Pkt. 10 cts., 1/4oz. 25 cts.

CLEOME (*Spider Flower*)

Gigantea. *Annual.* Singular-looking, rose-colored flowers; the stamens look like spiders' legs, and present a very attractive appearance. Sow seed outdoors in May and thin out to stand 2 feet apart. 3 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

COBAEA (*Cup-and-Saucer Vine*)

Annual Climber. A rapid grower, attaining a height of 30 to 50 feet during the season. Start the seed indoors in March or April, or outdoors in May.

Scandens. Large bell-shaped purple flowers. Pkt. 10 cts., 1/4oz. 50 cts.

Scandens alba. White. Pkt. 15 cts., 1/4oz. 75 cts.

CONEFLOWER. See Rudbeckia.

CONVOLVULUS. See Ipomoea.

CORNFLOWER. See Centaurea.

CORNFLOWER ASTER. Stokesia.

CODONOPSIS

Himalayan Bellflowers

Ovata. *Perennial.* Charming rock-plant, with slaty blue bells, spotted with white. Hardy in a sheltered position or with some winter protection. 1 ft. Pkt. 50 cts.

Meleagris. *Perennial.* In this species, also dwarf, the bells are pale blue and reticulated with chocolate-brown. Pkt. 50 cts.

COLLINSIA

Salmon Beauty. *Annual.* Bright, cheerful, salmon-colored blossoms. Sow in the open ground in early spring. 1 ft. Pkt. 25 cts., 1/4oz. 75 cts., 1/4oz. \$1.25.

CUPHEA (*Cigar Plant*)

Platycentra. *Treat as an Annual.* Pretty, half-hardy plant with tube-shaped, scarlet flowers. Pkt. 15 cts., 2 pkts. 25 cts.

CIGAR PLANT. See Cuphea.

CINQUEFOIL. See Potentilla.

CLARY. See Salvia.

COLUMBINE. See Aquilegia.

No Need Waiting Until Autumn for Cosmos—Sow Early Kinds



New Double Crested Cosmos

Charming Cosmos

Annual. Sow about May 1, outdoors, covering the seed about $\frac{1}{4}$ inch, and when the plants are about 3 inches high, thin out or transplant to not less than 2 feet apart. Frequent cultivation around the base of the plants will greatly benefit them.

Early Orange Flare. Orange flowers with light green foliage. The stems are long and wiry, well adapted for cutting. Grand Champion Gold Medal, 1935 All-America Seed Selections. (See page 19.) Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Lady Lenox. Giant flowers of beautiful deep rosy pink, with wide overlapping petals of splendid substance. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Lady Lenox, White. Similar to above, but white. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Early Single Dwarf Summer-flowering Type

If sown outdoors about May 1, will give an abundance of cut-flowers for the table or home decoration from July until cut down by frost. This type grows about 4 feet high, and while the flowers are not quite so large as the Late Mammoth-flowering they are excellent for home decoration.

White **Crimson**
Pink **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 3 colors, 25c.

Early Double Dwarf, New Double-crested Type (Beauty)

The Extra-early Double strain of Cosmos has been very much improved in this crested type. Flowers are large, and they come into bloom as early as the Early Single sorts.

Pink Beauty **Crimson Beauty**
White Beauty **Mixed Beauty**

Each, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50

COLLECTION: Pkt. each, above 3 colors, 60c.

Late Single Tall, Mammoth-flowering Cosmos

This type of Cosmos, which has been greatly improved over the old tall, small-flowering varieties, blooms late in the summer—usually September in this latitude.

White **Crimson**
Pink **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 3 colors, 25c.

Late Double Tall Crested Type

A notable addition to this beautiful family. This strain has been greatly improved in size of flower, greater degree of doubleness, and general vigor of the plant.

Pink. Beautiful rose-pink.

White. Pure glistening white.

Crimson. Rich rose-crimson.

Mixed. Mixture of the three.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 3 colors, 30c.

CYCLAMEN (*Giant-flowering*)

Greenhouse plants; one hardy sort. The following varieties are European-grown and were developed by one of the greatest specialists in this excellent pot-plant. They make very beautiful house plants. Seed is usually sown in the autumn.

Dark Blood-Red.

Bright Red.

Pure Rose.

Soft Rose with Carmine Eye.

White with Carmine Eye.

Pure White.

Pkt. of 10 seeds 35 cts., 50 seeds \$1.50,
100 seeds \$2.50

Bonfire. Brilliant salmon.

Salmon-Scarlet (America Improved).

New Salmon-Rose Improved.

Salmon color, dark (Glory of Wandsbek).

Salmon color, light (Rose of Zehlendorf).

Orange Beauty. Orange-vermilion. Extra.

Rokoko erecta, Mixed.

Morning Red.

Saffron-Red.

Saffron-Red, Silver edged.

Striata, Mixed.

Lavender.

New Ruffled, Mixed.

Pink Pearl. (Novelty.) Salmon-pink.

Pkt. of 10 seeds 50 cts., 50 seeds \$2,
100 seeds \$3.50

Mixed. All varieties. Pkt. of 10 seeds 25 cts., 50 seeds \$1, 100 seeds \$1.75.

Hardy Cyclamen

Cyclamen europaeum

For the Rock-Garden and Perennial Border

Stiles' Strain of Long-Island-grown seed produces hardy little plants of this ever-blooming and almost evergreen subject. The bright red flowers are fragrant and are on scapes 4 to 5 inches high. Seed should be sown in spring or late summer in a nursery bed of sandy soil outdoors, or in a coldframe. The plants should be shaded in summer. Seeds slow to germinate. Pkt. 50 cts., 3 pkts. \$1.25.

CYNOGLOSSUM

Chinese Forget-me-not; Hound's-Tongue

Amabile. *Annual.* A highly perfumed plant of easy culture, suitable for bedding and cut-flowers. 20 in.

Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Pink. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.

CYPRESS VINE (*Ipomoea Quamoclit*)

Annual Climber. Popular climber with delicate fern-like foliage and masses of small, star-shaped flowers. Sow outdoors in May. 15 ft.

Crimson **Rose**
White **Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

CUCUMBER VINE. See Echinocystis.

DAHLIA

Tender Perennial; treat as an Annual. Seed is best sown in March under glass, although flowers may be obtained in late summer by sowing outdoors in May.

Dwarf Bedding. They bloom within four months after sowing seed, and embrace a most charming color-range, no two plants being exactly alike. In the main, their form is semi-double. They may be planted 18 to 20 inches apart as they rarely exceed 24 inches in height. Make fine cut-flowers. June to first frost. **Mixed**, pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Coltness Hybrids. (Single.) Neat, compact plants, averaging about 18 inches high, and comprising a beautiful range of colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Starfish (Orchid-flowered). The florets of this single Dahlia are crimped and twisted, giving a star-like effect, and its long stems make it excellent for cutting. All colors are represented in these hybrids, generally two shades in the one flower. Pkt. 35 cts., 3 pkts. \$1.

Giant Peony-flowered, Mixed. Saved from finest blooms. Pkt. 25 cts.

Cactus, Mixed. Saved from a choice collection. Pkt. 25 cts.

Double-flowering Exhibition Strain, Mixed. Saved from fine Show sorts. Pkt. 50 cts.

DAISY. See Agathæa, Arctotis, Bellis, Brachycome, Dimorphotheca, Erigeron, Felicia, Gerbera.

DATURA

Cornucopia (Trumpet Flower). *Annual.* The delightfully fragrant flowers average 8 inches long by 5 inches across and are French white inside and purple outside. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

DIASCIA

Barberæ. *Annual.* Dainty, spurred flowers, $\frac{7}{8}$ inch in diameter and of a soft salmon-rose, are freely produced in sprays on wiry stems. 1 ft. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.50.

DICTAMNUS (*Gas Plant*)

Fraxinella alba. *Perennial.* White flowers during June and July. 2½ ft. Pkt. 15 cts., 2 pkts. 25 cts.

Fraxinella rubra. *Perennial.* Pink, otherwise same as above. Pkt. 15 cts., 2 pkts. 25 cts.

DIDISCUS (*Queen Anne's Lace Flower*)

Cærulea. *Annual.* Upright, branched plant about 2 feet high. Each branch ends in an umbrella-shaped head of sky-blue flowers. It is easily grown and a splendid cut-flower, lasting unusually long in water. Seed may be sown outdoors in May in a well-prepared seed-bed; water copiously during hot weather. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

Our Strain of Gold Medal Delphiniums Is Unsurpassed

Stately Gold Medal Delphiniums



GOLD MEDAL HYBRIDS PERENNIALS

We consider these the best of the large-flowering types. They produce immense spikes of blooms in a variety of colors. We recommend them to the specialist grower.

Delft Blue Shades. True mid-blues, including Cambridge-blue.

Royal Art Tints. A mixture of lavenders, mauves, and blue-grays.

Salon Blue Shades. Rich dark blue shades.

Wave Crest Blue Shades. Delicate and charming mixture of pale and light blues.

Each, pkt. 50 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50

COLLECTION: Pkt. each, above 4 shades, \$1.50

Super Gold Medal Hybrids, Mixed

This Mixture is prepared so as to give our patrons all the best colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

English Named Hybrids, Mixed

Giant-Flowering Type. This mixture consists of varieties such as Harry Smetham, Joan, Millicent Blackmore, Smoke of War, Lorenzo de Medici, Statuaire Rude, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Wrexham or Hollyhock Type. This mixture contains the following varieties: Cambria, Great Strides, The Bishop, Wales, Jenny Jones, Norah Phillips, etc. Pkt. (about 200 seeds) 50 cts., 3 pkts. \$1.25.

Some Fine Varieties

New Hollyhock Strain. A fine mixture of all light shades, pale clear blue predominating. Large flowers, truly double, are well placed on long, pyramidal spikes. Pkt. 35 cts., $\frac{1}{8}$ oz. \$2.50, $\frac{1}{4}$ oz. \$4.

Belladonna (Everblooming Hardy Larkspur). Clear turquoise-blue flowers, unequaled for delicacy and beauty. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Clivedon Beauty (Improved Belladonna). Larger flowers and a stronger growing plant are the advantages of this strain. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Bellamosa. Similar to the above except in color which is a beautiful shade of dark blue. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Cardinale. A very beautiful cardinal-scarlet. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.75.

Chinense, Blue Butterfly. Fine feathery foliage, and many spikes of large blossoms of intense gentian-blue. $1\frac{1}{2}$ ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Chinense, Cambridge Blue. Clear, rich light blue. Excellent for mass planting or for cut-bloom. 2 to 3 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Chinense album. White form of Chinense. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Snowdrift. A beauty belonging to the Elatum class. Bears long spikes thickly crowded with large, pure white blooms. 4 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Formosum. Large; rich blue, white center; spikes 2 to 3 ft. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Formosum caelestinum. Beautiful sky-blue, white center. Similar in habit to the above. Pkt. 15 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Nudicaule, Lemon Gem. Fine light yellow. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.50, $\frac{1}{4}$ oz. \$2.50.

Jewel-Like Dianthus (Pinks)

ANNUALS, BIENNIALS, AND PERENNIALS

Seed may be sown in the open in early spring when the danger of frost is past, and if the situation is open and the ground is well prepared, they will flower luxuriantly in a few weeks' time and continue until hard frost. They average 1 foot in height and are splendid for borders and for cutting. Many are delightfully fragrant.

Double Annual Varieties

Chinensis (China Pink). Double flowers in a mixture of colors. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

Diadematus (Double Diadem Pink). Various tints of lilac, crimson, purple; outer edges fringed. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Fireball. Extra double; brilliant dark scarlet. Very beautiful. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Heddewigii fl.-pl. (Double Japan Pink). Varies from richest crimson to delicate rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Laciniatus fl.-pl. (Double Fringed Pink). Great variety of colors; edges fringed. Large. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Lucifer. Brilliant orange-scarlet, fringed flowers about 2 inches across. This is a very dazzling and popular variety. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Salmon King. Brilliant salmon-rose. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Snowball. One of the finest for cutting. The plants are excellent for beds or borders. Large, double, white flowers. Give it rich soil and an abundance of sunshine. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Violet Queen. Rich violet—rather unusual shade. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Single Annual Dianthus

Crimson Belle. Rich crimson. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Eastern Queen. Delicately marbled rose and mauve flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 30c.

Heddewigii punctatus (Princess Pink). The flowers remind one of Old-World Chintz. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Laciniatus (Single Fringed Pink). A great variety of colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Queen of Holland. Beautiful white. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Salmon Queen. Fringed flowers of brilliant salmon, changing to old-rose when mature. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Vesuvius. Orange-scarlet flowers. Striking in beds or borders. Pkt. 10c., $\frac{1}{4}$ oz. 30c.

Mixed. A grand collection of these ever-popular Pinks. All large-flowering varieties, unrivaled for brilliancy. They bloom in perfect succession during the whole season. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

COLLECTION: Pkt. each, 10 choice Dianthus, 5 named Double and 5 Single sorts, 75 cts.

Hardy Garden Pinks

Loveliness. Annual. Exquisite mauve, having large, lacerated petals, some 2 inches in diameter, and with a perfume that is most alluring. Sow seed at any season—winter under glass, spring and summer outdoors. Blooms about seven months from date of sowing. Pkt. \$1.

Highland Hybrids. Hardy Perennial. These dwarf Scottish Pinks are ideal for rock-gardens and for the front of the hardy border. Practically perpetual flowering and the colors are very varied. **Mixed.** Pkt. 25 cts., 5 pkts. \$1.

Sweet Wivelsfield. Biennial. A type which ordinarily is sown in July to flower the following year; if sown indoors during February, however, it will bloom the same year. Fringed, sweet-william-like flowers in various colors from July to frost. Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Little Jock. Hardy Perennial. This is a mixture of pink, rose, and white shades, mostly with a deep zone. Suitable for the rock-garden or as an edging. 6 to 8 in. Pkt. 35 cts., 3 pkts. \$1.

Allwoodi. Hardy Perennial. Combines the qualities of the Carnation with the delicious clove scent of the Pink. It is adaptable for gardens, rockeries, window-boxes, and pot-culture in conservatories. **Mixed.** All colors, except yellow. Pkt. 25 cts., 5 pkts. \$1.

Deltoides. Annual. Rosy purple. Invaluable for the rock-garden. 6 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Plumarius, Double Mixed. Annual. Fringed, fragrant flowers of white, crimson, or purple shades, spotted and variegated. 1 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.

Plumarius, Single Mixed. Annual. Large, fragrant flowers, beautiful colors, finely fringed. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Scotch or Florists' Pinks. Annual. Flower profusely during spring and early summer. The perfumed flowers are large, double, fringed. **Mixed.** All colors. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50, oz. \$5.

Rock-Garden Rare Species, Mixed. A selection of low-growing types, suitable for the rock- or wall-garden. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

DIANTHUS BARBATUS. See Sweet William.

For a Charming Effect, Sow the Dainty California Poppies

DIGITALIS (Foxglove)

Perennial. Extensively used for naturalizing in shrubby borders and along the edges of woods. It grows well under almost all conditions, including partial shade; blooms during June and July.

Giant Shirley. Vigorous plants, with huge spikes of bloom ranging in color from the purest white to dark rose, handsomely spotted and blotched. 6 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Gloxiniæflora. Improved strain of the ordinary Foxglove, with handsome, spotted gloxinia-like flowers on long spikes.

Alba. White ground.

Purpurea. Purple ground.

Rosea. Rose ground.

Lutea. Yellow ground.

Mixed.

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

Monstrosa. Long spikes surmounted by one enormous flower. **Mixed.** All colors. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

DIMORPHOTHECA

African Golden Daisy

Yellow Gem. *Annual.* The flowers are pure bright yellow, without zone or eye. Excellent for bedding, for edging, or for the rock-garden, where it will produce a wealth of brightness all summer. Of easy culture. 6 in. Pkt. 35 cts., 3 pkts. \$1.

Aurantiaca Hybrids. *Annual.* Flowers large and vary in color from the purest white through the various shades of yellow and orange to rich salmon shades, many being zoned with several of these colors around the black disk. Pkt. 15 cts., 1/4oz. 75 cts.

Rings, Single. *Annual.* Grayish white flowers with a blue center. Pkt. 25 cts., 1/4oz. \$1.25.

Aurantiaca. *Annual.* Golden orange. Pkt. 10 cts., 1/4oz. 50 cts.

Salmon Beauty. *Annual.* Large flowers of a pleasing true salmon shade. Pkt. 15 cts., 1/4oz. 75 cts.

White Beauty. *Annual.* A white form of the above. Pkt. 15 cts., 1/4oz. 75 cts.

DOLICHOS (Hyacinth Bean)

Annual. Rapid-growing climber. For covering arbors, trellises, etc. Sow the seed in the garden in beds where it is to remain.

Daylight. Covered with spikes of snow-white, pea-shaped blossoms from July until late fall. Pkt. 10 cts., oz. 30 cts.

Darkness. Identical with the above, except color is purple-violet. Pkt. 10 cts., oz. 30c.

Lablab, Mixed. Pkt. 10 cts., oz. 30 cts.

DORONICUM

Caucasicum. *Perennial.* Handsome, yellow, daisy-like flowers, sometimes 2 to 3 inches across. 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Pardalianches, Golden Bunch. *Perennial.* Bright yellow flowers in May and June. 2 1/2 ft. Pkt. 75 cts., 3 pkts. \$2.

DRAGONHEAD. See *Physostegia*.

DUSTY MILLER. See *Centaurea*.

ECHINOCYSTIS

Wild Cucumber Vine

Lobata. *Annual Climber.* Clean, bright green foliage with sprays of white flowers during July and August. Pkt. 10 cts., oz. 50 cts.



Globe Thistle

ECHINOPS (Globe Thistle)

Ritro. *Perennial.* Striking plants with handsome, silvery, thistle-like foliage and fine steel-blue flowers in round heads. 3 to 5 ft. Pkt. 10 cts., 1/4oz. 50 cts.

EDELWEISS. See *Gnaphalium*.

ERIGERON (Midsummer Daisy)

Double Azure Beauty. *Perennial.* The plants bloom so profusely that they are literally covered with double and semi-double, sky-blue flowers. Fine for cutting. 2 1/2 ft. Pkt. 50 cts., 3 pkts. \$1.25.

Speciosus. *Perennial.* Clear mauve, daisy-like flowers, with bright golden yellow centers. 1 1/2 ft. Pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2.

ERINUS

Alpinus. *Perennial.* Dainty little plant with pale purple flowers, suitable for the rock-garden, growing in the crevices of stone walls, etc. 2 in.

Alpinus, Magenta. *Perennial.* Brilliant magenta-red flowers. 6 in.

Each, pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$5

ERYNGIUM (Sea Holly)

Amethystinum. *Perennial.* Ornamental plants with finely cut, spiny foliage and beautiful, thistle-like heads of amethystine blue flowers. Fine for winter bouquets. 2 to 3 ft. Pkt. 15 cts., 1/8oz. \$1.

Planum. *Perennial.* Steel-blue flowers. 2 ft. Pkt. 10 cts., 1/4oz. 30 cts.

ERYSIMUM (Hedge Mustard)

Orange Beauty. *Annual.* Orange-yellow flowers a few weeks after seed is sown. 2 ft. Pkt. 10 cts., oz. 50 cts.

EVERLASTING FLOWERS

See *Acroclinium*, *Amaranth*, *Helichrysum*, *Rhodanthe*, *Statice*, *Xeranthemum*.

ESCHSCHOLTZIA

California Poppy

Annual. Sow in early spring where they are to flower, and thin to 6 inches apart.

Salmon Beauty. A double variety coming true from seed. Both inside and outside of the flower is salmon. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Ramona Hybrids. Ruffled flowers, seemingly semi-double, and in a wide variety of colors. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

***Carmine King.** Beautiful carmine-rose.

Fringed Yellow. Pure yellow, petals cut and fringed.

***Geisha.** Golden orange inside, orange-scarlet outside.

***Golden West.** Bright yellow, dark orange at the base of the petals.

Lovely. A lovely tone of bright rose-pink suffused with salmon.

Purple Glow. Bright reddish purple. The darkest shade that has been obtained so far in *Eschscholtzias*.

***Scarlet Beauty.** Petals deep scarlet inside, lighter on outside.

Tango. Bronze overlaid with terra-cotta.

***Vesuvius.** Rich glistening coppery red.

Choice Mixture. Covering all the colors in this pretty annual.

Each, pkt. 10 cts., 1/4oz. 50 cts., except as noted

COLLECTION: Pkt. each of above varieties marked (*), with the **Giant Tulip Poppy** described on page 31 (6 varieties in all), 50 cts.; 1/4oz. each of these varieties, \$2.50.

BUSH ESCHSCHOLTZIA

See *Hunnemannia*.

EUPATORIUM (Thoroughwort)

Perennial. Well suited for naturalizing and deserving a place in every hardy border.

Fraseri. Dwarf variety, producing clusters of snow-white flowers, fine for cutting and bouquets. 1 1/2 ft. Pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1, oz. \$3.50.

Purpureum. Heads of purple-blue, daisy-like flowers from August to October. 6 to 8 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

EUPHORBIA

Strong-growing plants with exceedingly ornamental foliage.

Variegata (Snow-on-the-Mountain). *Annual.* Foliage veined and margined with white. 2 ft. Pkt. 10 cts., 1/4oz. 25 cts.

Heterophylla (Annual Poinsettia). *Annual.* Resembles in color the beautiful hothouse poinsettia. Branching, bush-like plants, with smooth, glossy green leaves which turn to a beautiful orange-scarlet. 2 1/2 ft. Pkt. 15 cts., 1/8oz. 50 cts.

Polychroma. *Hardy Perennial.* The yellow flower-leaves or bracts are most striking and are effective in April and May. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

EXACUM

Affine atrocæruleum. *Greenhouse Annual.* Useful plant for the conservatory or a sheltered sunny position outdoors. Numerous small, fragrant, dark lavender flowers, each with prominent golden stamens. May be had in flower by July if seed is sown in February. 9 in. Pkt. 50c.

EVENING PRIMROSE. See *Oenothera*.

Gaillardias Are Among the Most Useful Cut-Flowers for Home Decoration

FELICIA

Kingfisher Daisy or Blue Marguerite

Bergeriana. Annual. Leaves are grass-like, and the blue daisy flowers, with yellow centers, are $\frac{3}{4}$ inch in diameter. Easily grown outdoors in summer or under glass at other times of the year, being then treated similarly to cineraria. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25.

FOUR O'CLOCK

Mirabilis; Marvel of Peru

Annual. Free-flowering plants. Called Four o'Clock because they open their blossoms at that hour.

Fine Mixed. All colors. 2 ft. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1.

FUCHSIAS

Greenhouse and Summer Bedding Plant. Interesting to sow seed, if you have a greenhouse, from January to March, and plant out in May. You will have flowers by July or August. This mixture contains white, lilac, pink, light and dark blue corollas.

Mixed. Pkt. 50 cts., 3 pkts. \$1.25.

FEVERFEW. See Matricaria.

FLAX. See Linum.

FORGET-ME-NOT. See Myosotis.

FOXGLOVE. See Digitalis.

BLUE GENTIANAS

Perennial. Fine for the rock-garden or the mixed border, flowering from July to September, inclusive. Excellent also as pot-plants, and the commercial grower will find *Hascombensis* the more interesting from this standpoint. Outdoors they do best in semi-shade with plenty of moisture during summer. Sow under glass in late winter and transplant outdoors in spring, or sow in the open ground during spring or summer. Plants resulting from the earliest seeding may be expected to flower the first season.

Hascombensis. Flowers of this lovely new variety are also about $1\frac{1}{2}$ inches across and are of various shades of blue. $1\frac{1}{2}$ to 2 ft. Pkt. 35 cts., 3 pkts. \$1.

Acaulis. Desirable hardy alpine plant. Rich blue. 4 in. Pkt. 25 cts.

GENISTA (*Broom*)

New Hybrids. *Perennial.* A variety of colors—all shades of terra-cotta, crimson, orange and orange-scarlet, buff-pink and terra-cotta-pink. Patience is necessary with this seed, as germination will be slow. Thereafter it is so rampant a grower that the plant reaches 4 to 5 feet two years after sowing. Pkt. 50 cts.

GERANIUM (*Pelargonium*)

Greenhouse and Summer Bedding Plant. Many a fine house Geranium may be obtained from seed. We offer an interesting mixture—reds, crimsons, pinks, and whites. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

GREVILLEA (*Silk Oak*)

Robusta. *Greenhouse Plant.* Graceful foliage plant. 3 to 5 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.50.



Geum, Orange Queen

GAILLARDIAS

Blanket Flowers

Annual Varieties

The flowers are brilliant in tone, and are borne in great profusion from July to November.

Amblyodon. Rich blood-red. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Aurea. Rich yellow. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

Picta Lorenziana. Mixture of various colors. The flowers are double. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

The Bride. Pure white, very double and excellent for cutting. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts.

Perennial Varieties

Most of these may be treated as annuals. If sown early, they begin flowering in July, and continue to be a mass of bloom until cut down by frost. Fine for cutting. 1 to 2 ft.

Burgundy. A new color—brilliant coppery scarlet self—and one that is of special value to the grower of cut-flowers for decoration. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.50, oz. \$5.

The Dazzler. Flowers very large, rich dark red, with a bright orange tip on the end of each floret. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Portola Hybrids. Enormous flowers and the color-range is fairly wide, centering around reddish bronze and gold. Plants are particularly robust. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Tangerine. Medium-sized flowers of various shades of tangerine-orange. Both color and structure of the flower make them useful for modern decorations, as well as for cutting purposes. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

Grandiflora compacta. Bushy plants 12 to 15 inches high, bearing long-stemmed flowers well above the foliage. Mixture of brilliant colors. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. 75 cts.

Grandiflora, Copper-Red. Center rich crimson, canary-yellow border, the effect being that of coppery red. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{4}$ oz. \$1.

Giant Hybrids. Produced by a specialist who has developed a splendid type. Many of the flowers are as large as sunflowers. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

GLOBE FLOWER. See Trollius.

GLOBE THISTLE. See Echinops.

GERBERA (*Transvaal Daisy*)

Jamesoni Hybrids. *Half-hardy Perennial;* needs protection over winter. Daisy-like plants, slender and graceful. They are well-known greenhouse subjects, but capable also of being grown in the open ground if the protection of a coldframe or heavy mulch is given the plants over winter. Mixture embraces many shades of red, cerise, salmon, orange, yellow, and white. Pkt. 50 cts., 3 pkts. \$1.25.

GEUM (*Avens*)

Double Orange Queen. *Perennial.* Color is midway between orange-scarlet and golden yellow. Very double. Continuously blooming. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.25, $\frac{1}{4}$ oz. \$2.

Lady Stratheden. *Perennial.* Large; double; rich golden yellow. $1\frac{1}{2}$ ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Mrs. Bradshaw. *Perennial.* Large; double; brilliant orange-scarlet. Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Atrosanguineum fl.-pl. *Perennial.* Bears large, showy, double, dark crimson flowers all summer. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

GILIA

Annual. Fine feathery foliage and globular heads of bloom about 1 inch across. Lasts well when cut. 2 ft.

Capitata. Lavender-blue.

Capitata alba. White.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

GLOBE AMARANTH

Gomphrena

Annual; Everlasting. A first-rate bedding plant. The flowers resemble clover-heads and can be dried and used in winter bouquets.

**Rose
White**

**Purple
Mixed**

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

GODETIA

Annual. Blooms profusely and is splendid for bedding. We also recommend that Godetia be tried as a pot-plant for winter decoration.

Wild Rose. Pale pastel shade of rose, with a touch of carmine. So free flowering that when a plant is in full bloom the foliage is entirely hidden. 1 ft. Pkt. 35c., 3 pkts. \$1.

Sybil Sherwood. Bright salmon-pink. Robust and remarkably free flowering, it has proved successful as a pot-plant, for bedding, and for cut-bloom. Award of Merit, R. H. S., England. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1.

Azalea-flowered, Carminea. Highly recommended for pot-culture. Double pink flowers, strikingly marked with darker shades. A veritable mass of bloom. 15 in. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25.

Single Godetias Height 1 ft

Duchess of Albany. White.

Lady Satin Rose. Carmine.

Princess of Wales. Pink.

Sunset. Carmine.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Double Godetias Height 2 ft.

Tall Double Mixed. Pkt. 10c., $\frac{1}{4}$ oz. 25c.

In the Perfumed Garden Plant Heliotrope, Mignonette, and Matthiola

CURIOUS GOURDS

Annual Climbers. Rapid-growing and suitable for sowing around arbors, trellises, fencing, etc. Fruits are strangely shaped and quaintly marked and colored. The foliage is often curious. Grown for ornament, though one sort—the Malabar Melon—is edible.

LARGE FRUITS	SMALL FRUITS
Calabash Pipe	Apple
Dipper	Miniature Bottle
Dish-Cloth (Luffa)	White Egg
Giant Bottle	Orange
Giant Club (5 to 6 feet long)	Pear (two colored)
Hercules' Club	Pear (striped)
Sugar-Trough	Spoon
Malabar Melon.	Turk's Turban

Edible fruits.

Mixed Gourds. All sorts.

Each, pkt. 10 cts., oz. 35 cts.

COLLECTION: Pkt. each, above 16 Ornamental Gourds, \$1.25



Baby's Breath (Gypsophila)

GYPSOPHILA (Baby's Breath)

Annuals and Perennials. Misty white panicles largely used for mixing with other cut-flowers.

Elegans grandiflora alba. Improved, large-flowering, pure white form of the annual Baby's Breath. Pkt. 10 cts., oz. 30 cts., ¼ lb. \$1.

Elegans grandiflora rosea. Delicate rose form of above. Pkt. 10 cts., oz. 50 cts., ¼ lb. \$1.50.

Muralis. An annual sort which forms mounds of green 10 inches high, studded with little pink flowers from early in the season till frost. Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50.

Paniculata. Hardy perennial white sort that blooms first year if sown early. 2 ft. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.

Paniculata fl.-pl. (Double Baby's Breath). Fine for cutting. Pkt. 25 cts., ½ oz. \$1.

Pacifica. Pink flowers nearly as large as the annual varieties. Blooms after Paniculata sorts have passed. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

Acutifolia. Hardy perennial sort, 3 to 4 feet high, with large panicles of small white flowers in July. Pkt. 10 cts., ¼ oz. 50 cts.

Repens. A dwarf, white-flowered hardy perennial that is fine for rockwork. Pkt. 15 cts., ¼ oz. 75 cts.

Repens rosea. Same as above, but has pink flowers. Pkt. 15 cts., ¼ oz. \$1.

GLOXINIA

S. & W. Co.'s Large-flowered. *Greenhouse Plant.* These have now been so far fixed that 40 per cent of the seedlings come true. The ground-color of the large, erect, and widely opened flowers is a velvety purple-crimson, with a rosy white throat. On the often seven-lobed corolla appear more or less sharply defined bands, spots, and stripes, the latter mostly of a violet hue. Pkt. 50 cts.

GNAPHALIUM (Edelweiss)

Leontopodium. *Perennial; Everlasting.* Sow early; keep cool and moist. Pkt. 25 cts.

HELENIUM (Sneezewort)

Perennial. Blooms very freely in late summer. Useful in the hardy border.

Autumnale superbum. Golden yellow. 4 ft. Pkt. 15 cts.

Bigelovi. Light yellow. 2½ ft. Pkt. 15 cts., ¼ oz. 75 cts.

Riverton Gem. Wallflower-red. 2 ft. Pkt. 25 cts., ¼ oz. \$1.

HELIANTHEMUM (Sun Rose)

Perennial. Beautiful subjects for the rock-garden. 1 ft. **Mixed.** Colors include yellow, red, white, and pink. Pkt. 15 cts.

HELIANTHUS (Sunflower)

Much prized for cutting. The tall sorts are largely used in the mixed border.

Annual Sunflowers

Sown in a sunny location in early May, they bloom early in the summer and flower continuously until frost.

Cut-and-Come-Again, Mixed. A mixture of the tall-growing, large-flowering types for cutting. Pkt. 10 cts., ¼ oz. 50 cts.

Cucumerifolius (Miniature Sunflower). Small, single, rich yellow flowers. An abundant bloomer. 4 ft. Pkt. 10 cts., ¼ oz. 30 cts.

Cucumerifolius, Stella. Larger. Golden yellow flowers with black centers. 4 ft. Pkt. 10 cts., ¼ oz. 30 cts.

Cucumerifolius, Orion. A new variety with petals twisted like a cactus dahlia. 4 ft. Pkt. 10 cts., ¼ oz. 30 cts.

Cucumerifolius, Perkeo. A charming dwarf variety. The plants form compact bushes. 2 ft. Pkt. 10 cts., ¼ oz. 35 cts.

Cucumerifolius fl.-pl. Double form of the Miniature Sunflower. Bright golden yellow. 4 ft. Pkt. 10 cts., ¼ oz. 35 cts.

Dwarf Maroon Prince. The best red Sunflower. A dwarf type. 2 to 3 ft. Pkt. 15 cts., ¼ oz. 60 cts.

Tall Red, Gaillardia-flowered. Mixture producing red or yellow-and-red flowers, mostly single, some semi-double. 4 to 6 ft. Pkt. 10 cts., ¼ oz. 50 cts.

Dwarf Double (Globe of Gold). Dwarf; double; yellow. 4 ft. Pkt. 10c., ¼ oz. 30c.

Tall Double Chrysanthemum-flowered. Flowers large, double, rich saffron. 8 ft. Pkt. 10 cts., ¼ oz. 30 cts.

Gigantic Russian. Large old-time Sunflowers. 8 ft. Oz. 10 cts., ¼ lb. 25 cts., ½ lb. 40 cts., lb. 75 cts.

Perennial Helianthus

Perennial Sunflowers, Mixed. The best perennial varieties carefully selected. Pkt. 25 cts., 5 pkts. \$1.

HELICHRYSUM (Straw Flower)

Annual; Everlasting. Best and most popular of winter decoration flowers. While growing they make a fine display in beds or borders. Allow 2 feet between plants. Double bright-colored flowers. 2½ ft.

Rose Queen
Golden Ball
Snowball
Fireball

Salmon Queen
Violet Queen
Mixed

Each, pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.25
COLLECTION: Pkt. each, above 6 colors, 50c.

HELIOPHILA

Leptophylla. *Annual.* Valuable for growing in pots and for summer bedding. Seed may be sown in the open ground after danger of frost has passed, or earlier under glass. Flowers clear bright blue with white centers. 1½ ft. Pkt. 25 cts., 5 pkts. \$1.

HELIOPSIS

Scabra Zinniaeflora (Hardy Zinnia). *Perennial.* Yellow flowers from June to September. 3 ft. Pkt. 15 cts., ¼ oz. 60 cts.

Pitcheriana (Orange Sunflower). *Perennial.* Flowers cup-shaped, yellow, about 2 inches in diameter. Excellent for cutting. 3 to 4 ft. Pkt. 10 cts., ¼ oz. 50 cts.

FRAGRANT HELIOTROPE

Greenhouse or Summer Bedding Plant. Its delightful perfume makes it a splendid bedding plant, or can be trained as a greenhouse climber. Seed started indoors in the spring will make fine plants for summer blooming. Can also be sown outdoors in May.

Lemoine's Giant, Mixed. Produces heads of flowers double the size of the old sorts.

Queen Marguerite. Large; dark blue.

White Lady. Largest white.

Each, pkt. 15 cts., ¼ oz. \$1

Mixed. Purple, violet, lilac, and white. Pkt. 10 cts., ¼ oz. 75 cts.

GARDEN HELIOTROPE. See Valerian.

HEARTSEASE. See Pansy.

HERACLEUM

Giganteum. *Perennial.* A giant plant, useful for the wild garden, for large open spaces, or on lawns where a bold and striking object is desired. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

HESPERIS (Sweet Rocket)

Perennial. The plants form large clumps 2 to 3 feet high, covered with showy spikes of flowers resembling stocks.

Matronalis, Red. **Matronalis, White.**

Each, pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.50

HEUCHERA (Alum Root; Coral Bells)

Perennial. Dwarf, bushy plants of easy culture, growing 1½ to 2 feet high, and bearing graceful spikes of flowers. Excellent for the border or rock-garden. July, Aug.

Sanguinea. Coral-red.

Sanguinea alba. White.

Sanguinea gracillima rosea. Carmine-rose.

Each, pkt. 25 cts., 5 pkts. \$1, ½ oz. \$2, ¼ oz. \$3.50

Orange Gleam

Scarlet
Gleam

Golden
Gleam

Collection Offer

....One pkt.
each of Golden
Gleam, Scarlet
Gleam, and new
Orange Gleam
(3 pkts.)

40c.

Double Sweet-Scented Nasturtiums (Semi-Dwarf)

Since the introduction of this splendid new race of Nasturtiums, much attention has been given by the originator to improving the strain as well as to bringing out further distinct colors. The delightful semi-double characteristic has been more emphasized in these newer colors. We are pleased to add to our list, in addition to a pure strain of yellow (Golden Gleam) and pure scarlet (Scarlet Gleam), the new and delightful pure orange color, or Orange Gleam. We also offer Glorious Gleam Mixture in a wonderful color-range from pale primrose (almost white) through

yellow, orange, salmon, gold, rose, art shades, scarlet, crimson, blood-red, deep maroon, and mahogany.

Golden Gleam. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Scarlet Gleam. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2.

Orange Gleam. Pkt. 25 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.50.

GLORIOUS GLEAM MIXTURE. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

New Double Sweet-Scented Nasturtiums (Dwarf or Globular Type)

This new dwarf strain of Gleam Nasturtiums is of a truly dwarf compact habit, totally without runners, holds its compact form even in rainy climates, and is splendid for border edging, pots, rock-gardens, or bedding.

Dwarf Golden Globe. Deep golden yellow self. Pkt. 20 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50.

Dwarf Globe Type Mixture. Full color-range. Pkt. 25 cts., oz. \$1.50, $\frac{1}{4}$ lb. \$5.



NEW PINK SALVIA "WELWYN" ❖ ❖ ❖ ❖ ❖

WE ARE fortunate in being able again to offer this outstanding Salvia to garden enthusiasts. Welwyn has been grown on the estate of Mrs. Harold I. Pratt, of Glen Cove, Long Island, for a number of years. By careful selection the strain has been kept up to the highest purity, and the inquiries from visitors to Mrs. Pratt's garden, who wished to procure seed of this Salvia, have induced her to allow us to offer it to our patrons.

Before the blooming period, few plants are as ideal for green-garden effect for border use as this Salvia. The

plants illustrated above formed a delightful green background to the border in midsummer, and by careful pinching were kept at a uniform height. From mid-August they were a mass of glorious color until killed down by frosts.

The value of Salvia for green-garden effect cannot be over-estimated, and where the Scarlet Sage would otherwise be objectionable on account of its strong color-note, the beautiful salmon-pink color of Welwyn will be found ideal.

Plants under ordinary culture reach a height of 3 feet, are entirely covered with blooms, and the blooms are of large size on fine strong spikes. Few plants can rival it for color effect.

Pkt. { ⁵⁰seeds } 25 cts., 5 pkts. \$1

CULTURE.—Salvia seed does not germinate as easily as many other annuals which are sown indoors in early spring in florists' flats or seed-pans. One of the mistakes the average amateur makes is too frequent watering during the germination period. Seed should be sown in finely sifted soil and barely covered. The soil should be moistened and the flat or seed-pan covered with glass or newspaper and allowed 12 to 18 days to germinate. After positive growth has started, water sparingly. Most failures are due to keeping soil too wet rather than just moist during the germinating period.

③ S. & W. CO.'S MIDGET ZINNIAS

While the Giant Zinnias are very popular and have their place, many gardeners greatly enjoy the tiny miniature forms which skilled plant-breeders are now giving us. Plants are dwarf and compact, averaging 1½ feet high, so that they make good edging material. The tiny flowers are delightful for house decoration.

The strain we offer is better than the usual Lilliput type. The small flowers, averaging 1½ inches in diameter, are borne on sturdy stems just right for cutting. We offer 6 distinct colors:

- | | |
|-------------------------------|--------------------------|
| 1. Canary Gem. Canary-yellow. | 4. Scarlet Gem. Scarlet. |
| 2. Golden Gem. Golden orange. | 5. Crimson Gem. Crimson. |
| 3. Salmon Gem. Salmon-rose. | 6. Pink Gem. Pale pink. |

Any of the above: Pkt. 15 cts., ¼ oz. 60 cts., oz. \$2

Special Collection Offer: One pkt. each of the 6 colors **50 cts.**



Sow the Heavenly Blue Ipomoea to Climb up the Fence

THE STATELY HIBISCUS

Marshmallow

Perennial. Showy, ornamental plants. Will bloom first year from seed if sown early.

Trionum. The trumpet-shaped blossoms, 4 inches across, are whitish with a suffusion of violet. Flowers in fifteen weeks. 2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$2.

Golden Bowl. Giant yellow, cup-shaped flowers with velvety maroon centers, from 6 to 9 inches in diameter. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Giant-flowering Type. Flowers are 6 inches in diameter, trumpet-shaped, with dark centers. 5 ft.

Pink **Crimson Eye**
Red **Mixed**
White

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

HOLLYHOCKS

Perennial. One of the most popular of hardy garden plants. The beautiful color effects produced by the planting of these flowers, combined with their dignified and stately appearance, render them indispensable for either the old-fashioned garden or the well-planned herbaceous border. As the plants are affected with rust occasionally, we recommend spraying with an approved fungicide.

Double Orange Prince. The flowers are large and of a brilliant apricot-orange hue. Gives a beautiful effect in a planting. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Double Exquisite. Large blooms are beautifully fringed and frilled or deeply dentate, and their colors are charming. They are so placed on tall spikes that the stiff effect noted in older types is lacking. **Mixed.** A fine selection of colors. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50, oz. \$5.

Chater's Superb Double

Chamois **Salmon-Rose**
Deep Rose **Scarlet**
Maroon **Sulphur-Yellow**
Newport Pink **Superb Mixed**
Pure White

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 60 cts., oz. \$2

S. & W. Co.'s Double Mixed. An excellent strain. Selected with great care from the strongest plants and brightest colors. Pkt. 15 cts., 1/8oz. 60 cts.

Chater's Superb Single

Pink **Lilac** **White**
Crimson **Yellow** **Mixed**
Apricot **Purple**

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/4oz. 75 cts., oz. \$2.50

S. & W. Co.'s Single Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

HONESTY (Moonwort)

Biennial. Purple flowers followed by silvery seed-pouches, which are used for house ornament. Sow seed in open in May and protect over winter—approximately the same culture as the English wallflower. 2 ft. Pkt. 10 cts., 1/4oz. 50 cts.

HYPERICUM (St. John's-Wort)

Polyphyllum. Perennial. Large, golden yellow flowers and almost evergreen foliage. For the rock-garden. 4 in. Pkt. 25 cts.

THE TWINING HUMULUS

Japan Hop

Annual Climber. Grows 20 to 30 feet high in four months. Its luxuriant foliage makes it one of the best plants for covering verandas, trellises, etc. Heat, drought, and insects do not trouble it.

Japonicus. Pkt. 10c., 1/4oz. 25c., oz. 75c.
Variegatus. Variegated variety. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

HUNNEMANNIA

Tulip Poppy; Santa Barbara Poppy; Bush Eschscholtzia

Annual. Sow in the open ground around May 1 in the New York area, or earlier under glass in pots or on upturned turves, transplanting these when danger of frost is over. A sunny position in a well-drained border suits it.

Fumariæfolia. Large, buttercup-yellow, poppy-like blossoms. The plants grow about 2 feet high, are quite bushy, with beautiful, feathery, glaucous foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Sunlite. A semi-double form that develops a band of short petals on the outside of the tulip-shaped cup. This adds to the size of the flower and makes it more attractive, giving it the appearance of an open flower at all times. The color is a clear canary-yellow. 2 ft. Pkt. 15 cts., 1/4oz. \$1, oz. \$3.

HYACINTH BEAN. See Dolichos.

IBERIS. See Candytuft.

IPOMOEAS

Morning-Glory; Convolvulus

Annual Climbers. Rapid-growing vines with beautiful and varied flowers. For covering walls, trellises, arbors, or stumps of trees.

Mixed Imperial Japanese (Emperor Morning-Glory). May be sown in the open ground in a sunny situation when the weather has become warm. Flowers are of gigantic size and their colorings beyond description. Pkt. 10c., oz. 50c., 1/4lb. \$1.50.

Tall or Climbing Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Dwarf Bedding Convolvulus, Mixed. Pkt. 10 cts., oz. 30 cts.

Rose Marie. Rose-pink, double and semi-double flowers. A fitting companion to the Heavenly Blue. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1.

Bona-nox (Evening-Glory). Rosy lilac flowers, expanding in the evening. Very rapid grower. Pkt. 10 cts., oz. 50 cts.

Hederacea grandiflora superba. Sky-blue, margined white. Pkt. 10 cts., oz. 50 cts.

Hederacea grandiflora superba alba. White. Pkt. 10 cts., oz. 50 cts.

Leari. Dark blue. Pkt. 25 cts., 5 pkts. \$1.

Mexicana alba (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white flowers having a delicate fragrance. It grows rapidly and will quickly cover a large surface. Pkt. 10 cts., oz. 50 cts.

Rubra-cærulea (Heavenly Blue, Improved). Early flowering. Immense, beautiful blooms of bright sky-blue. Pkt. 15 cts., 1/2oz. 60 cts., oz. \$1.

Setosa (Brazilian Morning-Glory). Flowers of pleasing rose-color, borne very freely in large clusters from August to frost. Pkt. 10 cts., oz. 50 cts.

For other varieties of Ipomoeas, see Cypress Vine and Cardinal Climber

IMPATIENS

Greenhouse and Summer Bedding Plants. Desirable pot-plants for the greenhouse, also valuable for planting out in partial shade. Profuse and continuous bloomers.

Sultani. Flowers are brilliant carmine, 1 1/2 inches in diameter. 1 1/2 ft.

Holsti Hybrids. These include orange, scarlet, red, pink, and white flowers that measure 1 1/4 to 1 1/2 inches across. 1 1/2 ft. **Mixed.**

Each, pkt. 25 cts.

INCARVILLEA

Delavayi. Perennial. Produces divided pale green leaves about 2 feet in length. The flowers, borne on long, stout stems, are bright rose, tube-shaped, and appear almost like gloxinias. 2 1/2 ft. June-Aug.

Variabilis Hybrids. Perennial. The tube-shaped flowers are white and various shades of pink and yellow.

Each, pkt. 25 cts.

JACOB'S LADDER. See Polemonium.

JOHNNIE-JUMP-UPS. See Viola.



Imperial Japanese Morning-Glories

KALANCHOE

Coccinea. Greenhouse Plant. A succulent plant, recommended for greenhouse and conservatory on account of its long blooming period and its marvelous color, which is a brilliant scarlet. Sown in February or March, carried along in the open during summer, and again brought inside before frost, it will bloom a year after sowing. Pkt. 35 cts., 3 pkts. \$1.

KOCHIA

Summer Cypress; Mexican Firebush

Trichophylla. Annual. A perfect pyramidal bush with small, feathery, light green foliage, deepening as the season advances until it becomes a lovely crimson hue about September. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

LANTERN PLANT. See Physalis.

Brilliant Larkspurs ANNUAL

A vast improvement has been effected in size, color, and general habit of this well-known flower. Seeds sown in the open ground before the close of April will produce flowering plants by the beginning of July, and give a continuous succession of flowers from then until frost. They make handsome beds and are very effective among shrubs.



Larkspur, La France

LANTANA

Greenhouse and Summer Bedding Plant. Desirable half-hardy plants which bloom constantly. The flowers are borne in verbenalike heads of orange, white, rose, etc. **Mixed.** All colors, pkt. 25 cts., $\frac{1}{4}$ oz. \$1, oz. \$3.50.

LATHYRUS

Everlasting or Hardy Sweet Pea

Perennial Climber. Grows 6 to 8 feet high. The flowers are borne in large clusters. Climbs over rocks, fences, and bushes. Splendid cut-flower.

White **Red** **Mixed**
Delicata. Rosy flesh-color.

Each, pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts.

LAVATERA (Mallow)

Trimestris grandiflora rosea. *Annual.* Beautiful and showy plant, covered during the entire summer with large, cup-shaped, salmon-pink flowers. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.

SWEET LAVENDER

Munstead Strain. *Perennial.* An improved type of *Lavandula vera*. Sweet scented. Should be grown extensively. 2 ft. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Stock-flowered Type

A fine variety of this very popular annual, with beautiful double flowers. $2\frac{1}{2}$ to 3 ft.

La France. An exquisite pure bright salmon variety, the flowers being closely placed on the long but solid spike. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Attraction. Bright rose.

Exquisite. Soft pink; very beautiful.

King of the Blues. Dark blue.

Lilac Perfection. Lilac.

Loveliness. Shell-pink.

Snowstorm. Pure white.

Stella. Sky-blue.

Tricolor. Variegated.

Violet Queen. Violet.

Defiance. Dazzling scarlet. Taller plants.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50, except where noted

COLLECTION: Pkt. each, above 10 colors, \$1

Tall, Stock-flowered, Mixed. A select mixture of our famous strain. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

S. & W. Co.'s Emperor

This dwarf stock-flowered type of Annual Larkspur grows about 2 feet high and is of candelabra habit.

Apple Blossom

Azure-Blue

Black-Blue

Dark Blue

Carmine

Pink Delight

Rose

Violet

White

White, Striped

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 10 colors, 75c.

Emperor, Dwarf Stock-flowered, Mixed. 2 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

See also **Delphinium** (Perennial Larkspur).

LEPTOSYNE

Maritima. *Annual.* Large, golden yellow flowers on long stems. Blooms within six weeks. 2 ft. Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

LEWISIA

Howelli. *Perennial.* A creeping plant, forming a wide rosette of narrow, crinkled foliage, not exceeding 3 inches in height, and throwing up stems about 6 inches long, crowned with flowers of apricot streaked with rose. For a sunny rock-garden. Pkt. 35 cts., 3 pkts. \$1.

LINUM (Flax)

Grandiflorum rubrum. *Annual.* Showy bedding plants having brilliant scarlet flowers. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Perenne. *Perennial.* Bright blue. $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Perenne album. *Perennial.* White. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Flavum. *Perennial.* Yellow. Dwarf, compact type, especially valuable for the rock-garden. 6 in. Pkt. 20 cts., $\frac{1}{4}$ oz. \$1.

LIATRIS (Blazing Star; Gay Feather)

Pycnostachya. *Perennial.* Purple and rosy purple flowers are borne on long spikes. 3 to 4 ft. July-Sept. Pkt. 25 cts., $\frac{1}{4}$ oz. \$1.

STATELY LILIES FROM SEED

Perennial. Most Lilies will produce flowers the second year from seed; give them the same treatment as other hardy perennials.

Candidum. Salonika variety.

Columbianum (Columbia Lily).

Dalmaticum Hybrids.

Giganteum (Himalaya Lily).

Martagon album (White Turk's-Cap Lily).

Martagon Hybrids (Turk's-Cap Lily).

Monadelphum Szovitzianum (Great Caucasian Lily).

Philippinense Formosanum (Hardy Easter Lily). Blooms in July.

Tenuifolium (Coral Lily).

Washingtonianum (Washington Lily).

Each, pkt. 50 cts., 3 pkts. \$1.25

Regale (The Royal Lily). Pkt. 25c., $\frac{1}{4}$ oz. \$1.

LINARIA

Annuals; one Perennial Climber. Sow seed in spring where the plants are to bloom, or earlier under glass or in the home, later transplanting into the open.

Maroccana, Diadem. Bright violet flowers, each with a pure white eye. 10 in. Pkt. 35 cts., 3 pkts. \$1.

Maroccana, Ruby King. *New.* Produces larger flowers than the type. Ruby-crimson. 1 ft. Pkt. 35 cts., 3 pkts. \$1.

Maroccana, Excelsior. A mixture of colors—white, purple, and violet. 1 ft. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50.

Macedonica speciosa. Yellow. 3 ft. Pkt. 25 cts.

Cymbalaria (Kenilworth Ivy; Mother of Thousands). Lavender and purple. A charming, hardy trailer plant, suitable for pots or rockeries. Pkt. 15 cts., 2 pkts. 25 cts.

CHEERFUL LOBELIAS

Bloom very quickly from seed and flower all season. For beds, edgings or pots. Sow outdoors in early spring, and thin moderately; or transplant several inches apart in rich, open soil. Almost all are also good winter conservatory plants of trailing habit. The perennial varieties are handsome, showy plants.

Annual Bedding Varieties

Tenuior compacta, Improved. Of erect habit and thickly covered with large, dark blue flowers having a distinct white eye. 9 in. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Barnard's Perpetual. Deep blue with white eye. Trailing. Pkt. 10 cts., $\frac{1}{4}$ oz. \$1.

Crystal Palace Compacta. Deep blue. Dark foliage. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Emperor William. Compact; sky-blue flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. \$1.

Pumila splendens. Dark blue, with clear white eye. Compact. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Pumila alba. Pure white. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25.

Speciosa. Deep blue. Dark foliage. Trailing. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.

Cambridge Blue. A light, bright blue type. Pkt. 25 cts., 5 pkts. \$1.

Hardy Perennial Varieties

Cardinal Flower

Tall plants with spikes of brilliant flowers. **Cardinalis.** Scarlet. Green foliage. 3 ft. Pkt. 25 cts., 5 pkts. \$1.

Queen Victoria. Scarlet. Bronze foliage. $1\frac{1}{2}$ ft. Pkt. 50 cts., 3 pkts. \$1.25.

LOVE-IN-A-MIST. See *Nigella*.

LOVE-LIES-BLEEDING. See *Amaranthus*.

LUPINUS (*Lupine*)

These very interesting plants are of easy culture and should be more generally cultivated. The annuals may be sown in the open in May and as they grow, thin to 1 foot.

Annual Varieties

Hartwegi or King

Plants grow 3 feet high and are base-branching, with six to eight huge spikes to a plant. For cut-flowers and forcing.

King Blue. Rich dark blue, with a pure white stripe in the standard of each flower.

King Light Blue. Large, fine sky-blue flowers.

King Heliotrope. Pretty flowers, striking in size, rosy purple, white stripe.

King White. Enormous, glistening pure white flowers.

Each, pkt. 20 cts., 1/4oz. \$1, oz. \$3

King Mixed. Contains the above colors and in addition sky-blue, heliotrope, and mid-blue. Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

Garden Lupines

A selection of the old-time annual Lupines.

Rich Blue **White** **Rose**
Yellow **Mixed**

Each, pkt. 10 cts., 1/2oz. 25 cts., oz. 50 cts.

LUPINUS POLYPHYLLUS

Hardy Perennial Varieties

Sow during summer to bloom from June to September of the following year, preferably where they are to flower, as they do not transplant well. Partly shaded, rich soil, free from lime, is advised.

Our Special Grandiflora Hybrids

We offer exclusively a 5-foot-high strain of exceptional merit, and one which includes many new and bright colors. The plants are robust and decidedly larger than those of the usual type.

White **Blue Shades**
Pink Shades **Mixed Hybrids**
Red Shades

Each, pkt. 25 cts., 1/4oz. \$1, oz. \$3

Golden Spire. The tall, stately spikes of rich golden yellow flowers make this subject a fitting companion to the blue types of *L. polyphyllus*. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.

Downer's Hybrids. A special strain of early Lupines. Flowers are large, with an exceptionally fine color-range. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.

LYCHNIS

Perennial. Handsome plants of easy culture, for massing in beds or borders, blooming first year from seed if sown early.

Alpina. Splendid dwarf variety for rock-gardens. Rose-colored blooms in June. 6 in. Pkt. 25 cts., 1/8oz. \$2.50, 1/4oz. \$4.50.

Arkwrighti Hybrids. Improved strain, growing 2 1/2 feet high. **Mixed.** All colors. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Chalcedonica. Scarlet. 2 ft. Pkt. 10 cts., 1/4oz. 35 cts.

Chalcedonica, Salmon Queen. Salmon. 2 ft. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

Haageana. Orange-scarlet. 2 ft. Pkt. 20 cts., 1/8oz. 60 cts., 1/4oz. \$1.

Viscaria splendens. Scarlet. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts.



Garden Lupines

LYTHRUM (*Loosestrife*)

Salicaria roseum superbum. *Perennial.* Rose-colored flowers from July to September. 3 ft.

Virgatum. *Perennial.* Rosy purple. 3 ft. Each, pkt. 15 cts.

MALOPE

Grandiflora, Giant Crimson. *Annual.* Our English growers have worked for years to improve the color of the flower and to increase its size. Here is the best of their productions—a giant crimson. 2 1/2 ft. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

MALVA

Alcea (Hollyhock Mallow). *Perennial.* Pink. Pkt. 25 cts.

Moschata. *Perennial.* Pkt. 10 cts.

Moschata flore-albo. *Perennial.* Pkt. 10c. See also *Lavatera*.

MATRICARIA (*Feverfew*)

Grandiflora fl.-pl. eximia. *Treat as an Annual.* Half-hardy perennial with double, pure white flowers, which are excellent for cutting. 15 in. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Golden Ball. *Treat as an Annual.* Compact-growing variety with golden yellow flowers. Excellent for bedding. 1 ft. Pkt. 25 cts., 1/4oz. \$1, oz. \$3.50.

MAURANDIA

Annual Climber. Rapid-growing plant. Fine for garden or greenhouse. Blooms all summer in hanging-baskets and vases or on trellises. 10 ft.

Barclayana. Blue. Pkt. 25c., 1/8oz. \$1.75.

Barclayana, Mixed. Blue and White. Pkt. 25 cts., 1/8oz. \$2.25.

MESEMBRYANTHEMUM

Crystallinum (Ice Plant). *Annual.* Dwarf, trailing plants with pink flowers and glistening foliage. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

BRILLIANT MARIGOLDS

ANNUALS

African and French Marigolds are old favorites of easy culture. The former have uniformly large yellow or orange-colored flowers, and are well adapted for large beds or mixed borders. Most of the latter are dwarfer in growth, with striped flowers, and are suited for bedding and pot-culture.

African

***Alldouble Lemon.** This highly meritorious strain of the African Marigold is grown specially for us by a specialist in Europe who selects only the finest blooms and plants of unusually good constitution for seeding purposes. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

***Alldouble Orange.** The darker form of the preceding variety. 2 1/2 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Double Tall African, Mixed. Yellow and orange shades. Pkt. 10 cts., 1/4oz. 50 cts.

French

Robert Beist. The plants are literally covered with red-brown flowers all summer. May be used as an edging to a bed planted with Yellow Supreme. 1 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Fire Cross. A new single kind of great merit, with deep orange flowers, each floret being splashed and spotted with crimson. 1 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

***Golden Ball.** Double; pure golden yellow.

***Legion of Honor** (Little Brownie). A charming single-flowering Marigold forming dense, compact bushes. They begin to bloom in June and continue until frost. Golden yellow marked with a large blotch of velvety crimson at the base of each petal. 9 in.

***Lemon Ball.** Double, lemon-yellow flowers.

***Mahogany.** Double, rich velvety mahogany-brown blooms.

Each, pkt. 10 cts., 1/4oz. 50 cts., except as noted

COLLECTION: Pkt. each, above 6 Marigolds marked *, 50 cts.

Mixed French Marigolds, Double. Pkt. 10 cts., 1/4oz. 35 cts., oz. \$1.25.

See also *Calendula* and *Tagetes*.

FRAGRANT MATTHIOLA

Evening-scented Stock

Bicornis. *Annual.* Has no beauty to recommend it, the flowers being a dull purplish lilac, but it is well worth growing for the entrancing fragrance which it emits during the evening. 1 ft. Pkt. 10 cts., 1/4oz. 30 cts.

INTERESTING MIMOSA

Sensitive Plant

Pudica. *Greenhouse and Bedding Plant.* Curious plant, the leaves of which instantly close when touched. Tender annual, easily grown in the garden during summer. Pkt. 10 cts., 1/4oz. 50 cts.

MONARDA (*Bee Balm; Bergamot*)

Hybrida, Mixed. *Perennial.* A fine mixture producing salmon, rose, crimson, and scarlet flowers from July to September. 3 ft. Pkt. 15 cts.

MECONOPSIS. See Poppies.

MARVEL OF PERU. See Four o'Clock.

MEXICAN FIRE BUSH. See Kochia.

MIGNONETTE

Reseda

Annual. Well-known, sweet-scented flowers. At home everywhere, either in the greenhouse, garden, or sitting-room.

Red Monarch. The deepest red Mignonette. Plants are compact, and the foliage is strong and of good substance. The flower-spikes are thick and heavy. *Very sweet-scented.* Recommended as an outdoor garden plant and fine for under glass. Pkt. 35 cts., 3 pkts. \$1.

S. & W. Co.'s Triumph. Recommended for winter forcing. In type similar to Allen's Defiance, except that spikes are more compact and the individual florets are much larger in size. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.75.

Allen's Defiance. Large-flowering and deliciously fragrant. When grown under favorable conditions its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size, forming a graceful as well as compact spike. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50.

Golden Queen. Yellow-tinted flowers. Pkt. 10 cts., 1/4 oz. 25 cts.

Machet. A dwarf French variety, with broad spikes of very fragrant red flowers. One of the best for either garden or pot-culture. Pkt. 10 cts., 1/4 oz. 30 cts.

Machet, Ruby. A fine new Machet Mignonette, with coppery scarlet flowers. Pkt. 10 cts., 1/4 oz. 50 cts.

Odorata maxima, Goliath. Bears very large flowers, the center spikes being often 8 inches long. The plant grows in candelabra form and produces fiery red flowers on firm, upright stalks. Pkt. 10 cts., 1/4 oz. 50 cts.

Improved Large-flowering. Pkt. 10 cts., 1/4 oz. 25 cts.

MIMULUS (Musk Plant)

Whitecroft Scarlet. *Half-hardy Annual.* This fine plant comes true from seed. Orange-scarlet flowers cover the compact plant. 8 in. Pkt. 50 cts., 3 pkts. \$1.25.

Red Emperor. *Hardy Perennial.* A gem for the rock-garden, especially in moist, shaded spots. Compact, free-flowering plant with bright crimson-scarlet flowers. Pkt. 35 cts.

Moschatus. *Tender Annual.* Beautiful and tender-looking plants with almost transparent branches. Luxuriates in damp, shady situations. Musk-scented. 1 ft. Pkt. 15 cts.

Splendid Annual, Mixed. Pkt. 10 cts.

MINA

Lobata. *Annual Climber.* Seed may be sown against a trellis, fence, or stump in spring, and by frost it will have trailed 20 feet; from July to September it will be covered with small, trumpet-shaped, blood-red flowers. Pkt. 15 cts., 2 pkts. 25 cts.

MOMORDICA

Balsam Apple; Balsam Pear

Annual Climbers. The large, luxuriant leaves make dense shade. Flowers are followed by ornamental, large fruits of orange or copper color. 15 to 20 ft.

Balsamina (Balsam Apple). Orange fruits. Pkt. 10 cts., oz. 75 cts.

Charantia (Balsam Pear). Coppery scarlet fruits. Pkt. 10 cts., oz. 75 cts.



Tom Thumb Nasturtium

STATELY MUSA (Banana Tree)

Ensete. *Greenhouse and Summer Bedding Plant.* A foliage plant of magnificent proportions that is strikingly effective for subtropical massing, or as single specimens. Seeds sown early in the house will produce plants 10 to 12 feet high the first season. Pkt. 25c., 25 seeds 75c., 100 seeds \$2.50.

BRIGHT-EYED MYOSOTIS

Forget-me-not

Perennial. Hardy if given slight protection through the winter. Seed may be sown from spring until midsummer. The Alpestris varieties and Dissitiflora come into bloom in April, with the spring-flowering bulbs; the Palustris bloom in May to fall.

Alpestris Varieties

Royal Blue. Rich dark indigo-blue flowers. 9 in. Pkt. 10 cts., 1/4 oz. 50 cts.

Robusta grandiflora. Good heads of Forget-me-not-blue flowers. 10 in.

Victoria, Blue. Clear azure-blue flowers. Plants bushy and compact. 8 in.

Victoria, Pink. Pink type of Forget-me-not. For the border and pot-culture. 8 in.

Victoria, White. White form of above.

Each, pkt. 15 cts., 1/4 oz. 75 cts., except as noted

Mixed. A select mixture of Alpestris sorts. Pkt. 10 cts., 1/4 oz. 50 cts.

Dissitiflora. Sprays of large, blue flowers, adapted for beds of late-flowering tulips, etc. 1 ft. Pkt. 25 cts., 1/4 oz. \$2.

Palustris semperflorens (Everblooming Forget-me-not). Large, clear blue flowers in pretty sprays. Pkt. 15 cts., 1/4 oz. \$1.

Ruth Fischer. One of the largest-flowered hybrid Forget-me-nots, producing blue blooms up to 1/2 inch in diameter. Plants of exceptional value for pot-culture and spring bedding. 1 ft. Pkt. 25 cts., 5 pkts. \$1, 1/6 oz. \$2.50, 1/4 oz. \$7.50.

Isolde Krotz. Large flowers. Under favorable conditions, the individual blossoms are nearly an inch in diameter. For greenhouse use and the open. Pkt. 50 cts.

MONKSHOOD. See Aconitum.

MOONWORT. See Honesty.

MORNING-GLORY. See Ipomœa.

NASTURTIIUMS

For ease of culture, duration of bloom, brilliancy of coloring, and general excellence, Nasturtiums are unexcelled. All they need is a moderately good soil, in a well-drained, sunny position; within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms.

New Double Sweet-scented Sorts

Illustrated on page 29

Tom Thumb or Bedding (Single)

Aurora. Salmon-rose.

Beauty. Light scarlet, mottled yellow.

Brilliant. Rich scarlet.

King Theodore. (Dwarf.) Deep crimson-maroon. Dark foliage.

Luteum. Pure, light yellow.

Pearl. (Dwarf.) Pure white.

Each, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75

COLLECTION: Pkt. each, above 6 colors, 50c.

Dwarf, Ivy-leaved. Beautiful, dark green, ivy-like foliage, forming an effective setting for the lovely flowers of various colors.

Mixed. All colors. Pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Dwarf, Variegated-leaved. These varieties are equally thrifty and robust in growth and produce freely as beautiful flowers in various colors as the plain green-leaved Nasturtiums, with the added merit of ornamental foliage. **Mixed.** All colors. Pkt. 15c., oz. 25c., 1/4 lb. 75c., lb. \$2.50.

Large-flowered, Dwarf, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

Tall or Climbing (Single)

Luxuriant climbers for verandas, trellises, etc. May be used to cover unsightly railings and to trail over rough ground with fine effect. The seed-pods can be gathered while green and tender for pickling; 6 to 10 feet.

Crimson. Rich and velvety.

King Theodore. (Tall.) Deep crimson-maroon. Dark foliage.

Pearl. (Tall.) Creamy white.

Rose. A lovely shade of ruby-rose.

Twilight. Delicate salmon.

Yellow. Pure yellow.

Each, pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75

COLLECTION: Pkt. each, above 6 colors, 50c.

Tall, Ivy-leaved. Similar in type to the Dwarf Ivy-leaved, but in Tall varieties.

Mixed. All colors. Pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Tall, Variegated-leaved. Similar in type to the Dwarf Variegated-leaved, in Tall-growing sorts. **Mixed.** All colors. Pkt. 15 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. \$2.50.

Tom Pouce. A trailing sort which grows only 2 feet. Many but small flowers. Suitable for hanging-baskets, rock-gardens, etc. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

Large-flowered, Tall, Mixed. Pkt. 10 cts., oz. 20 cts., 1/4 lb. 60 cts., lb. \$2.

NEPETA (Ground Ivy)

Mussini. *Perennial.* Blue flowers in May and June. 1 ft. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

MOUNTAIN FRINGE. See Adlumia.

MOURNING BRIDE. See Scabiosa.

MULLEIN PINK. See Agrostemma.

Giant Velvet-like Pansies in a Wide Range of Color

NEMESIA

Annual. We offer a splendid strain of this beautiful subject, principally the large-flowered varieties.

White Queen. When in flower, it is a perfect white pyramid. 1 ft. Pkt. 25 cts.

Orange Cherry-Red
Rose Mixed

Scarlet

Hybrid Blue Gem. A dwarf variety, very suitable for borders. 9 in.

Each, pkt. 15 cts., 2 pkts. 25 cts., 1/8 oz. \$1.50

NEMOPHILA

Annual. Splendid subjects for garden decoration. Bright-colored flowers in shades of blue, white, and violet. 6 in.

Insignis. Blue.

Insignis. White.

Maculata. White, spotted blue.

Atomaria. White, spotted black.

Discoidalis. Maroon and white.

Mixed.

Each, pkt. 10 cts., 1/4 oz. 30 cts.

FRAGRANT NICOTIANA

Scented Tobacco

EASILY GROWN ANNUALS

Crimson King. The color of this beautiful Nicotiana is a dark, velvety crimson-red. 2 1/2 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

Affinis. Sweet-scented, pure white, star-shaped flowers, 3 inches across, blooming continually. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.

Affinis Hybrids. A fine assortment of colors; highly perfumed. 2 to 3 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

Giant Red-flowered. Magnificent tropical effect, large, luxuriant leaves and immense clusters of rich crimson flowers. 5 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

Sanderæ Hybrids. New types in various colors. 2 1/2 ft. Pkt. 10 cts., 1/4 oz. 50 cts.

NIEREMBERGIA

Hippomanica. *Annual.* For the greenhouse or conservatory, and it may be given a sheltered position during summer outdoors. Only 6 inches high, it forms a cushion of foliage covered with delicate lavender flowers, somewhat petunia-like, and 1 1/4 inches in diameter. Pkt. 50 cts.

NIGELLA

Damascena, Double Mixed (Love-in-a-Mist). *Annual.* Feathery green foliage in which large, double, blue or white flowers are set. 1 1/2 ft. Pkt. 10 cts., 1/4 oz. 25 cts.

Miss Jekyll. *Annual.* A lovely variety with cornflower-blue blossoms splendid for cutting. 2 ft. Pkt. 10 cts., 1/4 oz. 30 cts.

NOLANA

Paradoxa (*N. atriplicifolia*). *Annual.* A luxuriantly growing creeping plant suitable as a ground-cover or for edging. Sky-blue flowers almost throughout the summer. Pkt. 10 cts., 1/4 oz. 50 cts.

ORIENTAL RUG. See Chorizanthe.

Giant-Flowered Pansies

TREAT AS ANNUALS OR PERENNIALS

This popular plant needs no description. Good results may be obtained from sowing seed in April or again in July and August in a light, cool, but well-moistened soil, enriched with a slight amount of barnyard manure or fine-ground bone. Sow seed in drills, covering them five times their diameter, and firm soil. Water once a day. Seed will germinate in about two weeks and should not be allowed to dry out. When plants are large enough to handle, transplant to a distance of 1 foot apart. With greenhouse and coldframe facilities, summer-sown plants are protected during winter. They will be in bloom in April.



"Pastoral Giants"

The Pastoral Giants embrace a wider range of color than other large Pansies. Many of the blossoms are frilled and sweetly perfumed. The plant is compact and vigorous.

Pure Golden Yellow.

Lavender (light).

Pure Snow-White.

Mahogany Shades.

Emperor William, Blue (dark).

Bronze Shades.

Fancy Red Shades.

Yellow, Dark Eye.

Pink Shades.

Brown Shades.

Variegated Shades (striped and blotched).

Mixed. Contains every conceivable color.

Each, pkt. (about 300 seeds) 50 cts., 1/8 oz. \$2, 1/4 oz. \$3.50, 1/2 oz. \$6, 1/2 oz. \$10, oz. \$20

OENOTHERA (Evening Primrose)

Fraseri. *Perennial.* Beautiful yellow flowers. 1 1/2 ft. July-Oct. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Lamarckiana. *Perennial.* Enormous yellow flowers. 3 ft. July-Oct. Pkt. 10 cts., 1/4 oz. 30 cts.

Fruticosa Youngi. *Perennial.* Yellow. 1 1/2 ft. Pkt. 25 cts.

Missouriensis. *Perennial.* Yellow. 1 ft. Pkt. 15 cts.

Speciosa. *Perennial.* White. 1 1/2 ft. Pkt. 25 cts.

Childsi (Mexican Evening Primrose). *Perennial.* Rose. Pkt. 15 cts.

Clutei. *Perennial.* Immense; soft creamy yellow. 4 ft. Pkt. 25 cts.

PASSIFLORA (Passion Flower)

Half-bardy Climber. Handsome, rapid-growing climber for greenhouse decoration or sunny positions outdoors in summer.

Cærulea. Large flowers of violet and blue.

Alba. Large, white flowers.

Each, pkt. 15 cts.

Stumpp & Walter Co.'s Exhibition Strain

This mixture of Giant Pansies has been prepared from the finest varieties grown, with blooms of good size, splendid texture, and plants of robust constitution, holding their flowers well above the foliage. Every conceivable color and combination of colors has been included. Pkt. 50 cts., 1/8 oz. \$1.50, 1/4 oz. \$2.50, 1/2 oz. \$4, 1/2 oz. \$7.50, oz. \$15.

Non Plus Ultra Mixed

A mixture for the critical buyer who desires his beds to be uniform in quality yet with every color combination. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2, 1/2 oz. \$3.75, oz. \$7.50. **Mixed Bedding Pansies.** All colors. Pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.75.

Mastodon Pansies

Black Mastodon. Nearly all jet-black.

White Mastodon. Dark center. The largest Pansies grown.

Mme. Perret. Edges of petals frilled and bordered white. Colors wine, pink, and red.

Sea Blue. A splendid dark blue.

Mastodon, Mme. Steele. Immense, self purple blooms. A perfect self.

Improved Beaconsfield. Bluish purple with lavender tinge on upper part of petals.

Mastodon, Adonis. Light blue, baby blue, and lavender shades.

Each, pkt. 25 cts., 1/8 oz. \$1, 1/8 oz. \$1.75, 1/4 oz. \$3, 1/2 oz. \$5, oz. \$10

Giant Mastodon Strains

Golden Gate. A monster golden yellow, unequalled in size and beauty.

Mlle. Irene. A shade entirely new to Pansies—henna-red.

Improved Isabelle. A superb, ruffled bronze and yellow. Long stems. Very large.

Each, pkt. 50 cts., 1/8 oz. \$2, 1/8 oz. \$3.50, 1/4 oz. \$6, 1/2 oz. \$10, oz. \$20

See also Violas (Tufted Pansies).

PENTSTEMON (Beard Tongue)

Treat as an Annual. Highly useful and attractive hardy perennial.

Giant-flowered Hybrids. This is a mixture of the finest giant-flowering varieties and a very excellent assortment of colors. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.50.

S. & W. Co.'s Pink Strain. A very pleasing strain of pink and pale rose shades. Pkt. 15 cts., 1/4 oz. 75 cts., oz. \$2.50.

Spectabilis. Best treated as a half-hardy annual, sowing seed in February to bloom the same summer. Grows 3 to 4 feet high and produces long spikes of purple or lilac flowers. Pkt. 25 cts., 5 pkts. \$1.

Sensation. Desirable bedding plant. Every branch has a spike of large, gloxinia-like flowers in a very wide range of color, including rose, red, carmine, cherry, pink, lilac, purple, etc. 2 ft. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.75.

PAPAVER. See Poppies.

Grow Petunias for Continuity of Bloom and Brilliant Effect



Petunia

Giant-flowering Single Fringed

Petunia grandiflora fimbriata

These have flowers 4 to 5 inches across.

- Pride of Portland.** Beautiful rose-pink.
- Romany Lass.** Coppery blood-red blossoms with dark purple throat; striped black.
- Scarlet Beauty.** Brilliant scarlet.
- Theodosia.** Large; soft rose-color, with a golden throat, beautifully veined.
- Violacea.** Velvety violet-blue.
- White Beauty.** Clear, crisp white.
- Single Fringed, Mixed (Fluffy Ruffles).** Includes the above fringed varieties, and other colors and hues.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 6 colors, \$1.25

- Dwarf Giants of California.** Large flowers with yellow throats, heavily marked and delicately veined. Compact, and vigorous.
- Mixed colors.** Pkt. 25 cts., 5 pkts. \$1.

Giant-flowering, Single, Plain-edged (*Petunia grandiflora*)

These have flowers 4 to 5 inches across.

- Elk's Pride.** Large; very dark purple.
- Dwarf Pink Glory.** Deep rose flowers, slightly ruffled.
- Purple Prince.** Rich velvety purple-violet.
- White Cloud.** Large, pure white flowers. Somewhat dwarfer than the above. 10 in.

Each, pkt. 25 cts., 5 pkts. \$1

COLLECTION: Pkt. each, above 4 colors, 85c.

Giant-flowering Double Fringed

Petunia grandiflora fimbriata flore-pleno

These have flowers 4 to 5 inches across. Seed collected from the most carefully hybridized flowers produces double, semi-double, and some single flowers. Save the weaker seedlings when planting out; these often produce the finer double flowers.

- Crimson King.**
- Madonna.** Pure white.
- Rose Queen.**
- Copper-Red.**
- Heliotrope.**
- Rose-Pink with White.**

Each, pkt. 50 cts., 3 pkts. \$1.25

COLLECTION: Pkt. each, above 6 colors, \$2.50

- Double Fringed Mixed.** (California-grown seed.) Large, beautifully fringed flowers, embracing a very wide variety of colors. Pkt. 35 cts., 3 pkts. \$1.

Brilliant Petunias

Petunias cannot be equaled by any other plant for outdoor decoration, for beds, porches or window-boxes. They flower in summer, even if sown in the open ground during May or June. Those sown in the house or hotbed in March or April will be in bloom by June and will be larger and finer plants.

Petunias grow from 1 to 1½ feet high, except the dwarf single bedding types (*Petunia hybrida nana*) which attain only 8 inches.

Single Balcony, Plain-edged

Petunia hybrida pendula

Flowers about 3 inches across. Their freedom of bloom and purity of color suit them for borders, beds, and rock-gardens; their somewhat spreading habit of growth enables them quickly to festoon themselves over window-boxes, porches and walls.

- Balcony White.** Pure white.
- Balcony Rose.** Pure rose-pink.
- Balcony Crimson.** Rich deep crimson.
- Balcony Blue.** Cornflower-blue.
- Balcony Purple.** Velvety violet-purple.

Each, pkt. 20 cts., ¼oz. 75 cts., ½oz. \$1.25, ¾oz. \$2

COLLECTION: Pkt. each, above 5 colors, 75c.

- Balcony, Star of California.** Flowers are velvety violet with a touch of crimson, starred with five pure white blotches. Pkt. 25 cts., 5 pkts. \$1, ¼oz. \$1.50.
- Balcony, Netted Blue Gem.** Deep blue, beautifully netted or veined with deep violet. The flowers cluster together, making an effective mass. Pkt. 35 cts., 3 pkts. \$1.
- Balcony, Mixed.** All colors. Pkt. 15 cts., ½oz. 50 cts., ¾oz. 85 cts., 1oz. \$1.50.

Miniature Petunias

Each plant forms a perfect ball effect, literally covered with 25 to 30 blooms in flower at one time, the individual blossoms being 2 inches in diameter.

- Pink Gem.** A plant 8 inches in diameter, smothered with deep pink flowers. Indispensable for borders, window-boxes, pots, beds, and rock-gardens. Secure a charming effect by planting Pink Gem along with ageratum. Pkt. 35 cts., 3 pkts. \$1.

New Trailing Petunias

- Parviflora.** Give it the same culture as other types of Petunia, and use it for the rock-garden, ledge, or window-box. The numerous lilac-pink blossoms are ¼ inch across, while the narrow leaves, less than an inch long, produce a lace-like effect. Plant in sun or partial shade, and it will spread in a circle 18 inches in diameter. From a window-box it will trail down 15 inches. Pkt. 25 cts.

PHACELIA

- Campanularia** (California Bluebell). Annual. The flowers are cup-shaped, lovely gentian-blue. A neat little annual, about 1 foot high, is literally covered with these lovely flowers throughout the summer. Pkt. 15 cts., ¼oz. 50 cts., oz. \$1.50.
- Ciliata.** Sweet-scented; lavender. 1 ft. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

PHYSALIS (*Chinese Lantern*)

- Francheti.** Perennial. Dense bushes about 2 feet high, producing the familiar and decorative bright orange-scarlet lantern-like fruits. May be had first year from seed if sown early. Pkt. 15 cts., ¼oz. 75 cts., oz. \$2.50.

Single Bedding (*Petunia hybrida*)

Flowers usually 2 to 3 inches across.

- Blue Bedder.** Rich, royal blue. Very free flowering, and most effective when planted in beds. Charming, too, as a pot-plant. 1½ ft. Pkt. 15c., ¼oz. 75c., ½oz. \$1.25.
- Countess of Ellesmere.** Dark rose, with fine white throat. Pkt. 10 cts., ½oz. 50 cts., ¾oz. 85 cts.
- General Dodds.** Velvety dark red or garnet. Somewhat taller than others in this class, attaining a height of 1½ feet. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Gottfried Michaelis.** The bright, amaranth-red flowers have dark throats and are daintily fringed. They measure 3 inches in diameter, and cover dwarf, compact foot-high plants. A wonderful bedding and border sort, and often used for baskets, pots, and window-boxes. Pkt. 25 cts., 5 pkts. \$1.
- Howard's Star Improved.** Rosy crimson, with a five-pointed white star in the center. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Pink Beauty.** The flowers are quite large, of handsome form, brilliant rose-pink with throat lightly suffused with yellow. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Bedding, Mixed.** All colors. A very decorative show may be had by sowing these broadcast. Pkt. 10 cts., ¼oz. 50 cts., oz. \$1.50, ¼lb. \$4.

Dwarf Single Bedding

(*Petunia hybrida nana*). Height 8 inches.

- Martha Washington.** Ruffled, single blooms about 3 inches across. The frilled portion of the flower is a beautiful blush-pink, and the center portion is strongly veined a rich wine-red, deepening to dark violet in the throat. The plant grows to a compact ball about 9 inches high and is recommended for beds, borders, pots, or window-boxes. Pkt. 50 cts., 3 pkts. \$1.25.
- New Rosy Morn.** Large, bright, rosy crimson flowers, the color becoming gradually lighter toward the center until it blends with the creamy yellow throat. For many years gardeners have grown Rosy Morn of the ordinary type because of its great beauty and general reliability. This is brighter in color, with larger flowers, and a more uniform habit of growth. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$1.50.
- Rosy Morn.** Soft rose-carmine-pink with a white throat. Dwarf and close-growing. Pkt. 15 cts., ½oz. 85 cts., ¾oz. \$1.50.
- Heavenly Blue (Silver Blue).** Enchanting shade of light silvery blue. Pkt. 25 cts., 5 pkts. \$1, ½oz. \$1.50.
- Inimitable Compacta.** Bushy little plants covered with striped and star-shaped flowers, white on old-rose. Pkt. 10 cts., ½oz. 50 cts., ¾oz. 85 cts.
- Rose of Heaven.** Rich, brilliant rose, a trifle deeper than Rosy Morn. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Snowball.** An excellent compact variety, producing satiny white flowers. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Violet Queen** (Dwarf Violacea). Rich, plush-like violet-blue. Pkt. 15 cts., ½oz. 75 cts., ¾oz. \$1.25.
- Nana compacta, Mixed.** A really dwarf type in a complete color-range. Pkt. 15c.

Brighten Your Garden with Color!—Annual Phlox Will Do It

The Charming Phlox

For richness of color and freedom of flowering, these cannot be surpassed. Invaluable for beds and ribbon-gardening. Sow outdoors in May, and they will be a mass of color in July and continue until late autumn. Seeds may be sown indoors in March for flowers in June.

Large-flowering Tall Varieties

This class has the largest individual flowers. Of sturdy growth; height 15 inches.

Brilliant. Finest crimson.

Carmine. Carmine with white eye.

***Chamois-Rose.** Shell-pink.

***Isabellina.** Tea-rose yellow.

Kermesina. Scarlet-striped.

Leopoldi. Rose with white eye.

***Purple.** Deep purple.

Purple King. Purple, white eye.

***Rich Rose.** Enchantress-pink.

***Scarlet.** Rich scarlet.

Splendens. Deep crimson, white eye.

***White.** Pure white.

Each, pkt. 15 cts., 1/4oz. 75 cts.

Mixed, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

COLLECTIONS: Pkt. each of 6 varieties marked (*), 75 cts.

Pkt. each of 12 named varieties, \$1.50

Large-flowering Dwarf

The plants are about 6 inches high.

Apricot.

Fireball. Scarlet.

Chamois-Rose. Pink. **Isabelliana.** Yellow

Defiance. Crimson. **Purple.**

Snowball. Pure white.

Surprise. Vermilion, white center.

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Finest Mixed, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

IMPORTED COLLECTION: Pkt. each, \$1

Star of Quedlinburg. Dwarf; star-shaped flowers. A novel variety. **Mixed.** All colors. Pkt. 15 cts., 1/4oz. 75 cts.

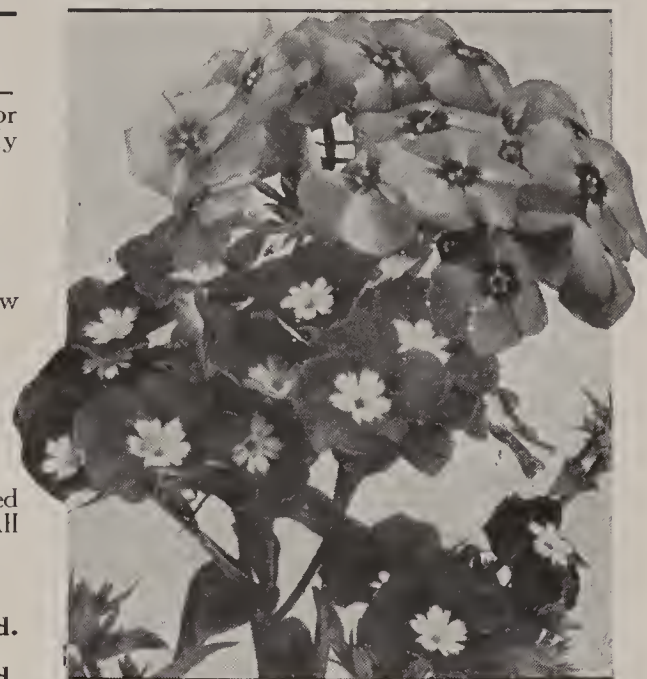
Phlox, Hardy

Large-flowering Hybrids, Tall Mixed.

Perennial. Pkt. 25 cts., 1/4oz. \$2.50.

Large-flowering Hybrids, Dwarf Mixed.

Perennial. Pkt. 25 cts., 1/4oz. \$3.



Phlox Drummondii

PLATYCODON

Balloon Flower; Japanese Bellflower

Perennial; may be treated as an Annual. Produces bell-shaped showy flowers during the whole season. Easily raised from seed.

Grandiflorum. Large steel-blue flowers. 2 1/2 ft. Pkt. 10 cts., 1/4oz. 75 cts.

Grandiflorum album. Pure white variety. 2 1/2 ft. Pkt. 15 cts., 1/4oz. \$1.50.

Grandiflorum Mariesi. Large, open, bell-shaped flowers of a rich violet-blue. 1 1/2 ft. Pkt. 25 cts., 1/4oz. \$2.

Grandiflorum japonicum fl.-pl. (Double Japanese Bellflower). Large, glossy, deep blue flowers. The inner petals alternate with the outer ones, giving the flower the appearance of a ten-pointed blue star. 2 1/2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$2.50.

Annual Platycodon

Although a perennial this strain may be treated as an annual. Seed sown outdoors in April or May will produce flowers by August; started earlier, under glass, they will bloom in July. Flowers are first produced at a height of 6 inches and eventually the plants grow to 2 feet.

Blue	White	Mixed
Each, pkt. 15 cts., 1/3oz. \$1, 1/4oz. \$1.50		

PHYSOSTEGIA (False Dragonhead)

Virginica. Perennial. Bears freely during the summer months spikes of delicate lilac tubular flowers not unlike a gigantic heather. 4 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Virginica alba. Perennial. White. 3 ft. Pkt. 15 cts., 1/4oz. \$1.

POLYANTHUS (Primula elatior)

Perennial. Many gardeners use them to intersperse between May-flowering tulips, and they may be seen to advantage in borders or in beds. The plant is of sturdy habit, and bears immense trusses of large flowers on 10-inch stems. Colors vary from pure white, through yellow to rich wallflower-red. Seed is sown in early summer, and the plants transferred to their permanent positions in the autumn. They require a light covering of litter over winter. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

GEM-LIKE PORTULACA

Sun-Plant

Annual. Of easy culture, thriving best in a rather rich, light loam or sandy soil and sunny situation. The flowers are of the richest colors and are produced throughout the summer in great profusion. Fine for massing in beds, edgings on rockwork, and frequently used to sow broadcast over sunny banks, etc. 6 in.

Single Grandiflora

Alba. Pure white.

Aurea. Deep golden yellow.

Rosea. Beautiful rose.

Splendens. Crimson.

Each, pkt. 10 cts., 1/4oz. 50 cts.

Finest Mixed, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1

Double Grandiflora

Alba. White.

Rosea. Rose.

Salmonia. Salmon.

Splendens. Crimson.

Sulphurea. Yellow.

Each, pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

Finest Mixed, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1

POLEMONIUM (Jacob's Ladder)

Perennial. Popular border plant, with bell-shaped flowers nearly 1 inch across. 2 ft. May-July.

Cæruleum grandiflorum. Deep blue.

Cæruleum album. Pure white.

Richardsoni. Sky-blue.

Each, pkt. 10 cts., 1/4oz. 50 cts.

POTENTILLA (Cinquefoil)

Perennial. Charming plants for the mixed border, producing brilliant flowers. Will thrive in almost any soil provided the situation is sunny.

Argentea alabra. Yellow flowers all summer. 1 1/2 ft.

Nepalensis (formosa). Red. 1 1/2 ft.

Miss Willmott. Rose. 6 in.

Each, pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25

PUERARIA

Thunbergiana (Kudzu Vine). *Half-hardy Perennial Climber.* The fastest-growing hardy climbing plant, reaching 8 to 10 feet the first year from seed, and thereafter, 50 feet in a single season is not unusual. Its foliage is large and covers well. The small racemes of rosy purple blossoms come in August. Pkt. 10 cts., 1/4oz. 30 cts.

PYRETHRUM

Perennial. The first-named variety is the well-known Golden Feather so much used for carpet-bedding; the others are most attractive hardy plants with daisy-like flowers.

Aureum (Golden Feather). This half-hardy perennial plant is grown as an annual. Valuable for edging. 6 in. Pkt. 10 cts., 1/4oz. 35 cts.

New Double Hybrids. A beautiful perennial and one of the finest for cutting. We offer a wonderful strain with large, very double flowers in distinct shades of pink, salmon, scarlet, and pure white. 2 1/2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/8oz. \$1.50, 1/4oz. \$2.50.

Single Hybrids. Our single strain of this beautiful hardy perennial has been grown specially for us in England. The cosmos-like flowers range in color from the palest pinks to deep red. 2 1/2 ft. Pkt. 25 cts., 5 pkts. \$1, 1/4oz. \$1.25.

RAMONDIA

Pyrenaica. Perennial. A rare and beautiful hardy plant for the alpine garden. Grows 4 inches high and produces violet-purple flowers in early spring. Pkt. 25 cts.

RANUNCULUS

Asiaticus. Perennial; treat as an Annual. Originating from a wild, large-flowered Ranunculus found in Asia Minor, a variety of colors—reds, yellows, orange, etc.—have been produced; many are marked with green. The mixture includes singles, semi-doubles, and doubles. 1 ft.

Tecolote Giants. Red and yellow, mixed.

Palestine Strain. A mixture of all colors.

Each, pkt. 35 cts., 3 pkts. \$1

Among Our Primulas Are the Best Strains That European Growers Produce

Primula (Primrose)

GREENHOUSE PLANTS AND PERENNIALS

The charming and beautiful Fimbriata and Obconica varieties are among our most important winter-blooming plants. Seed sown in April will bloom during early winter; August for spring blooming. Sow in shallow pans, in soil consisting of part sand and leaf-mold worked through a fine sieve and allow for good drainage. Cover seeds lightly and water frequently; give a temperature of about 65 degrees. Hardy types may be sown in the open ground; mostly they do best in a moist, partly shaded situation.

Primula sinensis fimbriata

Chinese Fringed Primrose

Dazzler. One of the most vivid of all flowers for the greenhouse; its color is the flaming orange-red of sunset. It is very free flowering, often showing as many as twenty of the fringed blooms on a single plant at one time. Holds its blossoms for a long period. Pkt. \$1, 3 pkts. \$2.75.

Giant Varieties

Amaranth. Clear amaranth-red.
Crimson. Fine ruby.
Emperor. Terra-cotta-scarlet.
Salmon. An exquisite color.
Magnifica or True Blue. The finest blue.
Pink Pearl. Brilliant rose; large.
White Queen Alexandra.

Each, pkt. 75 cts.

COLLECTION: Pkt. each, above 7 colors, \$5

Single Sinensis Hybrids, Mixed. New and beautiful shades. Pkt. 75 cts.

Double Sinensis Hybrids Mixed. Fine large double fringed flowers. Pkt. 75 cts.

Primula stellata (Star Primrose)

These are graceful plants and bloom very freely.

White Star **Blue Star**
Salmon-Pink Star **Coral-Pink Star**
Crimson Star **Mixed**

Each, pkt. 75 cts.

COLLECTION: Pkt. each, above 5 colors, \$3.50

Primula malacoides

Malacoides (The Giant Baby Primrose). The flowers, of a pretty light lilac, are borne in whorls. Pkt. 25 cts., 5 pkts. \$1.

Snow Queen. Large, perfect, white blossoms. Pkt. 50 cts.

Courtland Seedling. Individual flowers are extremely large and of a beautiful shade of lilac-pink. Pkt. 50 cts., 5 pkts. \$2.

Dawkin's Carmine-Pink. Fine shape, sturdy growth, and abundance of flowers are its good points. Color is a deep and rich glowing carmine-pink. Pkt. 75 cts.

Flore-pleno. Double and semi-double mauve flowers of great beauty. Pkt. 50c.

Princess Mary. Flowers of good size. Deep rose-pink. Pkt. 50 cts., 5 pkts. \$2.

Ericksoni Hybrids. The originator's stock of the Erickson strain of the Fairy Primrose. The size of the flower and the form of the plant is superior to the ordinary type. Pkt. \$1.50.

Brilliancy. Opens lavender-pink changing to crimson-red. Pkt. \$2.

Salmon Beauty. True salmon. Pkt. \$2.

Snow King. The pure white the trade has been waiting for. Pkt. \$2.

Wonder Baby. A beautiful pink. Pkt. \$2.

Baby Rose. Very deep pink, some almost red. Pkt. \$2.

Baby Doll. A deep pink with frilled flowers. Pkt. \$2.

New Baby. Near lavender-pink. The strongest grower with the largest flowers. Pkt. \$2.

Choice Mixture of above 4 colors. Pkt. \$2

Primula obconica

Our improved strains outrival the old types, the flowers being considerably larger, often measuring 2 inches across.

Atrosanguinea, Mohnstein. Bright crimson. Pkt. 50 cts.

Atrosanguinea, Mueller. Deep crimson. Pkt. 50 cts.

Rosea, Mueller. Bright rose. Pkt. 50 cts.

Obconica gigantea alba. Pkt. 25 cts.

Obconica gigantea lilacina. Beautiful lilac. Pkt. 25 cts.

Obconica gigantea Mixed. Pkt. 25 cts.

Glory of Farmingdale. Its flowers are a pleasing shade of bright rose, individually large, and well set on strong, sturdy plants. The grower will have few discarded plants with this strain. Pkt. \$1.50.

Various Greenhouse Sorts

Forbesii (The Baby Primrose). The plants throw up tiny flower-stalks when only a few weeks old, but we advise pinching them off and the plants kept growing until October. Then allow them to flower.

Kewensis. This new variety is most attractive, with bright yellow flowers. It is fragrant and valuable as a house plant.

Each, pkt. 25 cts., 5 pkts. \$1

Hardy Primulas

Beesiana. Purple with yellow eye. 2 ft. Pkt. 25 cts.

Bulleyana hybrida. Orange, apricot, and carmine shades. 2 ft. Pkt. 25 cts.

Cashmeriana. Lilac flowers in dense heads. 1 ft. Pkt. 50 cts.

Chionantha. Mealy foliage. White flowers with dark centers and yellow tubes. Fragrant. 20 in. Award of Merit, Royal Horticultural Society. Pkt. 25 cts.

Chungensis. Deep orange-yellow, fragrant flowers. 15 in. Pkt. 35 cts.

Denticulata. Rosy lilac. 1 ft. Pkt. 50 cts.

Florindæ. A stately variety which often reaches a height of 4 feet. Blooms during July and August, bearing 60 to 80 fragrant, bright yellow, pendent flowers. Pkt. 35c.

Helodoxa. Golden. 3 to 4 ft. Pkt. 35 cts.

Japonica alba (Japanese Primrose). White flowers with pink centers. 2 ft. Pkt. 25c.

Japonica, Etna. Copper-red. 2 ft. Pkt. 35c.

Japonica splendens. Dark crimson. 2 ft. Pkt. 35 cts.

Japonica, Choice Hybrids, Mixed. Bright, showy flowers. 2 ft. Pkt. 25 cts.

Lissadel, Red Hugh. Fiery madder-red. 1 ft. Pkt. 25 cts.

Microdonta, Alpicola. Yellow flowers, with powdered white throat. 1½ ft. Pkt. 25 cts.

Pulverulenta. Rich ruby-crimson. 1½ ft. Pkt. 25 cts.

Sikkimensis (The Sikkim Cowslip). Pale yellow; fragrant. 1½ ft. Pkt. 25 cts.

Veris (The English Cowslip). Mixed colors. 1 ft. Pkt. 15 cts.

Vulgaris. The true English Primrose. Canary-yellow; fragrant. 6 in. Pkt. 15 cts.

Waltoni. Dark red, wine-colored, glossy flowers. 15 in. Pkt. 35 cts.

See also **Auricula** and **Polyanthus**.



Primula obconica

Poppies

Annual Poppies may be sown in the spring where they are to remain, as they do not transplant readily. They should be thinned out to stand about 6 inches apart for best results. Seed may also be sown in August or September for early flowering next spring. Removing old blooms from plants will help lengthen the flowering season.

Double Annual Varieties

Calvacade. A begonia-flowered double type of Shirley Poppy of a rich orange-scarlet. If the flowers are gathered as the bud is bursting, they open fully and lend themselves admirably for floral arrangements. Pkt. 25 cts., ¼oz. \$1.

New Double Shirley Poppies. Mixed colors. A new double type in a wide color-range, with very beautiful and graceful flowers. **Mixed.** All colors. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Carnation-flowered Varieties

These striking double Poppies attain a height of 2½ feet

Bright Rose **Heliotrope**
Shell-Pink **White Swan**
Mikado. Red, white striped. **Cherry-Red**

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1
Mixed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Cardinal Alldouble. Large-flowered sort, similar to the Carnation-flowered Poppy, but dwarfer. The important thing is that all the flowers are absolutely double. Their color is brilliant cardinal-red. 2 ft. Pkt. 15 cts., ¼oz. 60 cts., oz. \$2.

Peony-flowered Varieties

These beautiful flowers have the shape of a bursting bomb—similar to a large peony. 2½ ft.

Bright Rose **Cardinal-Red**
Creamy Yellow **Shrimp-Pink**
White **Pansy-Violet**

Each, pkt. 10 cts., ¼oz. 30 cts., oz. \$1
Mixed, pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

COLLECTION: Pkt. each, above 6 colors, 50c.

Scabiosa {Mourning Bride Pin-Cushion Flower}

If we were to take into consideration carefully the number of easily grown annual flowers that are best adapted for cut-flower purposes, and if our list were limited in number, we would suggest the growing of Scabiosa. The plants reach a height of about 2½ feet and begin blooming in early July, continuing without interruption until hard frost. The flowers are fully as large as illustrated, and the colors are as nearly accurate as good color printing can register them.

They make effective lines in the flower-garden. For best results, sow seed as soon as trees are out in leaf, in a well-prepared seed-bed, transplanting plants so as to leave 1 foot between them. It will greatly add to the beauty of the plant if light stakes are used for support, although this is not necessary. Keep flowers well cut, as this helps to increase blooming. The beautiful flowers are borne on long stems and will keep almost a week in water after cutting.

Fantasy Zinnia (Mixed)

New types of Zinnias are always welcomed. While the giant-flowered varieties are still popular, the trend of late years has been toward the smaller flowered, more graceful strains, of which Fantasy is by far the best. Flower lovers in all parts of the world have enthusiastically welcomed it as one of the most colorful new flower introductions. The color-range includes the brightest shades of red, yellow, and orange, as well as the popular pastel pinks and cream.

1. Rich Red. Bright red.
2. Azure Fairy. Clear lavender-blue.
3. White. Pure white.
4. King of the Blacks. Velvety maroon.
5. Yellow. Sulphur-yellow.
6. Shell-Pink. Pale pink.

Any of above, pkt. 10c., ¼oz. 50c., oz. \$1.50

COLLECTION: One pkt. each of the above 6 colors 50 cts.

Price of Fantasy Zinnias

Pkt. 15 cts., ⅛oz. 50 cts.,
¼oz. 75 cts.

Award of Merit 1935
All-America Seed Selections

S. & W. Co.'s

Dahlia-flowered Zinnias



ZINNIAS

DOUBLE DAHLIA-FLOWERED. The plants attain the height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals. The huge flowers keep well when cut.

1. BUTTERCUP. Very large flowers of deep creamy yellow.
2. SCARLET FLAME. Bright scarlet.
3. EXQUISITE. Light rose, with deep rose center.
4. ORIOLE. A striking two-color flower—orange and gold.
5. DREAM. Deep lavender-blue—a remarkable shade.
6. CRIMSON MONARCH. Immense flowers of flaming crimson.

Each, pkt. 15 cts., 1/4 oz. 60 cts., oz. \$2

Special Offer Collection

One pkt.
each of above
6 colors

75 cts.

THE Zinnia has, perhaps, gained more steadily in popularity than any of our annuals because of the interest taken in it by plant-breeders who have tried to excel one another in improving existing forms and bringing new ones each year to the attention of the flower-lover. We are offering some of the newer forms which will soon, we feel sure, become popular in your gardens. Few, if any, of the annuals have greater utility value. In the mixed border they may

be had in bloom from early summer until cut down by frost, and they are splendid also when used as a cut-flower for house decoration. In order to get best results, seed should be sown either indoors in a sunny window and the plants transplanted to the garden early in May, or started outdoors and plants transplanted later. Leave at least 2 feet between plants as they are robust growers and need sufficient space to attain maximum development.

For Room Decoration Try the Salpiglossis. An Excellent Cut-flower



Shirley Poppies

Single Annual Poppies

American Legion. This new single Shirley is a dazzling orange-scarlet of enormous size, borne on long, stout stems. The plants are of very erect, robust growth. Highly commended by the Royal Horticultural Society of Great Britain. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Shirley Poppies

The Shirley or ghost type is beautiful and graceful. It attains a height of 2 1/2 feet.

Salmon-Pink **Wild-Rose-Pink**
Pure White **Deep Apricot**
Picotee. White cup, scarlet edging.
Blue Shades. Gray-blue.

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50
Finest Mixed, pkt. 10 cts., 1/4oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, above 6 colors, 50c.

Fairy Mixture. These have flowers measuring up to 6 inches in diameter, each having a Maltese cross of varying tint, and the mixture contains all art shades of pink, rose, salmon, and scarlet. Pkt. 35 cts., 3 pkts. \$1.

Admiral. A peony-flowered variety, having large flowers of glistening white, with a broad band of brilliant scarlet around the top. 3 ft.

Dainty Lady. Immense flowers 4 to 5 inches across, of rosy mauve, with a large dark metallic blotch at the base of each petal. 3 ft.

Danebrog (Danish Cross). Large flowers of brilliant scarlet, with a silvery white spot on each petal, forming a white cross. 3 ft.

King Edward. Deep scarlet, shaded crimson-red, each petal marked with a black blotch against which the yellow anthers stand out in bold relief. 3 ft.

English Scarlet (Flanders). The scarlet Field Poppy of Europe.

Tulip Poppy (Papaver glaucum). Flowers are 3 inches across and closely resemble the brilliant scarlet Gesneriana tulip. 20 in.

Above 6 sorts, pkt. 10 cts., 1/4oz. 25 cts.

Hardy Perennial Poppies

Oriental Poppies (*Papaver orientale*)

Sow early in spring. Plants disappear in July and August, appearing again in cool weather. When this fall growth starts transplant to their permanent flowering quarters.

Scarlet. Pkt. 15 cts., 1/8oz. 50 cts.

Oriflamme. Gorgeous orange-scarlet. Pkt. 15 cts., 1/8oz. 50 cts.

Princess Victoria. Immense salmon flowers. Pkt. 25 cts., 1/8oz. 75 cts.

Finest Mixed. Pkt. 10 cts., 1/8oz. 50 cts.

Double Orientale. It blooms in June. The plant is of bushy habit, with thick, feathery foliage, and bears numerous flowers of a glowing, very striking orange-scarlet. When fully expanded, the double flowers measure 6 inches across and are borne on stems 3 feet high. Pkt. 50 cts., 3 pkts. \$1.25.

Iceland Poppies (*Papaver nudicaule*)

Although perennials, these will flower the first year from seed. They are of graceful habit, with bright green, fern-like foliage, formed in tufts, from which issue slender stalks about 1 foot high, bearing brilliant flowers in endless profusion.

Tangerine. This is a deep tangerine-orange, with flowers of enormous size. They are borne on long, wiry stems.

Coonara Pink. Rose-pink and salmon are blended to give us flowers of rare shades, while the petals are slightly ruffled.

Fakenham Hybrids. You will be surprised at the wide range of color when you see this mixture in bloom. Brilliant and cheerful.

Sanford's Giant Strain. New and much talked about in Europe. The unusually long, extra-stout stems, bearing exceptionally large flowers, make this kind valuable. All colors.

Each, pkt. 25 cts., 1/8oz. \$1.25, 1/4oz. \$2
Iceland, Scarlet **Iceland, Yellow**
Iceland, White **Iceland, Mixed**
Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.75
Mixed Double, pkt. 15c., 1/4oz. 75c., oz. \$2.50

Alpine Poppies (*Papaver alpinum*). This hardy perennial Poppy is one of the most beautiful rock and alpine plants with blooms in a marvelous color-range. 10 in. **Mixed.** All colors. Pkt. 25 cts., 1/8oz. \$1.

Royal Poppy (*Meconopsis regia*). Hardy perennial from western Nepal. During late autumn and early spring the plants have flat rosettes of very beautiful silvery leaves. In spring three to four stems are produced, bearing large, handsome, yellow flowers on short stalks. High awards, R. H. S., England. Pkt. 50 cts.

Tibetan Poppies (*Meconopsis Baileyi*). Recently discovered; believed to be the most beautiful Tibetan Poppy. A perennial 4 feet high, and producing sky-blue flowers. Sow in pans or boxes in a coldframe. Transfer to small pots when large enough, and when the plants are well established put into deep loam and leaf-soil in a moist, well-drained, half-shady position. Very slow to germinate, sometimes taking six months or more for the seedlings to appear. Pkt. 50 cts.

See also **Argemone, Bocconia, Eschscholtzia, Hunnemannia.**

QUEEN ANNE'S LACE. See *Didiscus*.

RED-HOT POKER. See *Tritoma*.

RHODANTHE

Annual; Everlasting. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. 1 ft. **Mixed.** Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

RUDBECKIA

Annual Varieties

Kelvedon Star. A striking annual, and a valuable one for cut-bloom. As a specimen plant in the border it is a rampant grower, developing into a bush 3 feet high. The flowers vary somewhat, but all have dark brown centers, surrounded by a shining chocolate-mahogany zone, with deep orange or yellow on the outermost part of the florets. Pkt. 35 cts., 3 pkts. \$1.

My Joy. A new annual sort having bright orange flowers sometimes 5 inches across, with small centers. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.

Perennial Varieties

Bicolor, Solfatare. Sulphur-yellow. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Bicolor superba. Yellow with brown center. 3 ft. Pkt. 10 cts., 1/4oz. 50 cts.

Fulgida. Orange-yellow. 5 ft. Pkt. 15 cts., 1/4oz. 60 cts.

Newmani. Orange with purple cone. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Purpurea. Reddish purple. 4 ft. Pkt. 15 cts., 1/4oz. 75 cts.

REHMANNIA

Angulata. Greenhouse Plant. A biennial plant, 2 to 3 feet high. Flowers 3 inches in diameter, rosy purple with yellow throat, spotted with deep purple. Blooms nine months from sowing. Pkt. 25 cts.

RICINUS. See Castor-Oil Plant.

SAGE BUSH. See *Artemisia*.

ST. JOHN'S-WORT. See *Hypericum*.

SALPIGLOSSIS (*Painted Tongue*)

Annual. Contributes a wealth of bloom from summer until cut down by frost. Highly prized as a cut-flower. The funnel-shaped blooms reveal their exquisite markings of either gold or silver veins running through the groundwork of the flowers.

Seeds may be sown in the open ground in spring, or for earlier flowering sow in a hot-bed or sunny window, and when all danger of frost is past, place in the garden, allowing 9 inches between the plants.

New Superbissima Hybrids

ORCHID-FLOWERING (Height 2 feet)

Brown and Gold **Purple and Gold**
Crimson **Scarlet and Gold**
Light Blue and Gold **Rose and Gold**
Primrose **Velvety Violet**

Each, pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50

COLLECTION: Pkt. each, above 8 colors, \$1

Finest Mixed. A mixture of all the above shades. Pkt. 10c., 1/4oz. 50c., oz. \$1.75.

SAPONARIA (*Bouncing Bet*)

Caucasica fl.-pl. (Double-flowering Bouncing Bet). **Perennial.** A hardy sort with double, white flowers tinted rose, all summer and fall. 15 in. Pkt. 10 cts.

Ocymoides. **Perennial.** A hardy rock-plant producing, during the summer, masses of small, bright rose flowers. 9 in. Pkt. 10c.

Vaccaria, Rose. **Annual.** Pretty and useful annual variety, 2 feet high, and bearing satiny pink flowers somewhat like an enlarged gypsophila. Pkt. 10 cts., oz. 75 cts.

Vaccaria, White. Pkt. 10 cts., oz. 75 cts.

Two Invaluable Subjects—*Salvia* for Bedding; *Scabiosa* for Cut-flower

THE GORGEOUS SALVIA (*Scarlet Sage*)

Annuals, and Perennials which may be treated as Annuals

Seeds are usually sown from February to April indoors.

Ostrich-Plume (Double *Salvia*). The habit resembles the *Splendens* type but the bush is well covered with plumes of blossoms. As a cut-flower, one of these scarlet plumes alone makes a delightful decoration. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$1.50.

Harbinger. A true, dwarf, large-flowering *Salvia* which commences blooming in July from early-sown seed. It makes beautiful symmetrical plants about 15 inches high, and is densely clothed with long sprays of large, brilliant scarlet flowers. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

America or Globe of Fire. The bushy plants do not grow over 15 inches high, with the large spikes of brilliant scarlet flowers thrown well above the plant, making a total height of about 2 feet. Pkt. 25 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Scarlet Dragon. This variety is an improvement on the old *Splendens* type, the flowers being nearly double the size, closely crowding the immense spikes. Pkt. 15 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Splendens (*Scarlet Sage*). Beautiful bright scarlet. 2 1/2 ft. Pkt. 10 cts., 1/4 oz. 75 cts., oz. \$2.50.

Bonfire. The plants grow into compact bushes, about 2 1/2 feet high, and produce brilliant scarlet flowers. Pkt. 10 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25, oz. \$4.

Zurich. Grows about 2 feet high. Especially valuable on account of its earliness. Pkt. 25 cts., 1/8 oz. \$1, 1/4 oz. \$1.75.

Purple Splendens. Growing 2 1/2 to 3 feet high, uniform, and covered with purple flowers, it may be planted as a fine companion to the red types. Pkt. 25 cts., 5 pkts. \$1, 1/8 oz. \$1.50.

Horminum. Half-hardy annual. A pale violet-blue *Salvia*. Pkt. 10c., 1/4 oz. 50c.

Patens (*Blue Sage*). Deep blue. Beautiful garden or greenhouse tender perennial. 2 ft. Pkt. 15 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Sclarea (*Clary*). Perennial, treated as a half-hardy annual and growing 2 feet high. Curious lavender bracts with white base. Pkt. 10 cts., 1/4 oz. 50 cts.

Azurea grandiflora. Hardy perennial, producing sky-blue flowers in August and September. 4 ft. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

Farinacea. A perennial variety, best grown as an annual. Seeds sown in the open in May bloom from July to frost. The fine light blue flowers are borne on long spikes. 2 ft. Pkt. 15 cts., 1/8 oz. 60 cts., 1/4 oz. \$1.

SAINTPAULIA (*African Violet*)

Greenhouse Annual. Of interest to the professional for conservatory decoration.

Ionantha cordata. Distinguished by dark foliage, strong growth, and large deep lavender flowers.

Kewensis. January sowings last from July without interruption well into the winter. Shining blue flowers.

Each, pkt. 50 cts., 3 pkts. \$1.25

SANVITALIA

Procumbens fl.-pl. *Annual*. Useful in masses in beds, or edges of borders, or in vases. Showy, double, bright yellow flowers all summer. 6 in. Pkt. 15 cts.



Salvia splendens

SAXIFRAGA

Cordifolia. *Perennial*. Well-known rock-garden plant with pink flowers. 9 in. Pkt. 35 cts., 3 pkts. \$1.

SCHIZANTHUS

Butterfly or Fringe Flower

Annual. Although grown largely as a greenhouse plant, this annual is also of easy culture outdoors in any good garden soil.

Giant-flowering Hybrids. Used by many professional gardeners and florists as a splendid pot-plant and cut-flower. 15 in. **Mixed**. Pkt. 50 cts., 5 pkts. \$2.

Wisetonensis. Presents a beautiful appearance, with its myriads of blooms, the ground-color of which is white, dotted with rose. 15 in. Pkt. 25 cts., 5 pkts. \$1.

Dwarf Hybridus grandiflorus. Compact habit, with a great range of bright and handsome colors. Splendid for border planting. 1 ft. Pkt. 25 cts., 5 pkts. \$1.

SEDUM (*Stonecrop*)

Perennial. Dwarf hardy plants for the rock-garden and for carpet bedding.

Acre. Yellow. 6 in.

Album. White. 6 in.

Middendorffianum. Yellow with dark foliage. 6 in.

Spurium. Rose. 6 in.

Stoloniferum coccineum. Scarlet. 6 in.

Each, pkt. 35 cts., any 3 pkts. \$1

SENECIO (*Groundsel*)

Clivorum. *Perennial*. Forms a neat clump 4 feet high, from which develop 2-foot flower-stems. Yellow flowers. Pkt. 15 cts.

SIDALCEA

Perennial. Erect mallow-like plants.

Rosy Gem. Rose-colored. 3 ft. Pkt. 15 cts.

Stark's Hybrids. Brightly colored. Useful for cutting. Pkt. 25 cts., 1/8 oz. \$1.

SPARKLING SCABIOSA

Mourning Bride; Sweet Scabious Pin-Cushion Flower

These beautiful annuals grow about 2 1/2 feet high and bloom from early in July until frost. As a flower for cutting they are very popular, and are equally well adapted for borders or beds. Seeds should be sown any time in the spring after danger of frost is past.

Annual Varieties

Cattleya. A new shade—rich rosy lilac of the beautiful orchid tone. The flowers are large and attractive. Pkt. 20c., 1/4 oz. \$1.

Coral Rose. Small compact plant. The individual flowers are large and their color is a hue of coral between salmon and rose. 8 in. Pkt. 15 cts., 1/4 oz. 75 cts.

Fiery Scarlet. The brightest red variety, being a brilliant shade of scarlet-cerise. 1 1/2 ft. Pkt. 15 cts., 1/4 oz. 75 cts.

Shasta. Pure white, with immense blooms from 3 to 4 inches in diameter. The variety is invaluable for cutting and as a bedding annual. Pkt. 15 cts., 1/4 oz. 75 cts.

Peach Blossom. A lovely new shade of peach-blossom-pink. The flowers are large, borne on long stems, and are excellent for cut-bloom. "Highly Commended" by the R. H. S. (Eng.). Pkt. 15 cts., 1/4 oz. 75 cts.

Six Distinct Colors

Azure Fairy. Lavender-blue.

King of the Blacks. Purplish black.

Rich Red. White.

Shell-Pink. Yellow.

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

Tall Mixed, Dwarf Mixed.

Each, pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1

COLLECTION: Pkt. each, above 6 varieties, 50c.

Perennial Varieties

Giant Hybrids (Isaac House Strain).

This new type has larger flowers with heavier petals and on longer stems. The colors are varied: lilac, lavender, violet, purple, mauve, light and dark blue, and white. 3 ft. **Mixed**. Pkt. (50 seeds) 35 cts., 1/8 oz. \$1.25, 1/4 oz. \$2.

Caucasica (Blue Bonnet). Especially valuable for cutting, the lilac-blue blooms lasting a long time in water. 3 ft. Pkt. 15 cts., 1/8 oz. 75 cts., 1/4 oz. \$1.25.

Caucasica alba. Pure white. 3 ft. Pkt. 25 cts., 1/8 oz. \$2, 1/4 oz. \$3.50.

Japonica. Bushy plants 2 1/2 feet high, bearing on long stems beautiful, lavender-blue flowers. Pkt. 10 cts., 1/4 oz. 50 cts.

SILENE (*Catchfly*)

Pendula compacta. Summer-flowering annuals with single or double, red, pink, or white flowers. 6 in. **Mixed**. Pkt. 10 cts.

Alpestris. *Perennial*. White flowers all summer. 4 in. Pkt. 15 cts.

Schafta (*Autumn Catchfly*). *Perennial*. Masses of bright pink flowers from July to October. 4 to 6 in. Pkt. 15 cts.

SOLANUM

Capsicastrum (Jerusalem Cherry). *Greenhouse Plant*. Very useful for winter decoration. Dwarf, branching plants, bearing in the greatest profusion bright scarlet globular berries. 1 ft. Pkt. 15 cts.

Capsicastrum, Fra Diavolo. *Greenhouse Plant*. A new variety of compact growth, with smaller and lighter foliage. The small, scarlet fruits remain on the plant a long time. Pkt. 25 cts.

For a Fragrant and Beautiful Annual Garden, Plant Giant Imperial Stocks

STOCKS

ANNUAL

These fragrant flowers are of such great beauty that they deserve a place in every garden.

The Early Giant Imperial class are half-hardy annuals. Beauty Stocks are biennials but if sown in early spring will bloom the same year. They are also valuable for winter forcing.

S. & W. Co.'s Early Giant Imperial

These bloom very quickly and continue through the summer. We offer a wide range of color, and in the shades selected the proportion of double flowers is very high. Plants are of branching habit, 2 to 2½ feet high.

Antique Copper. Rich hellebore-red, overlaid with copper, giving a pleasing old reddish antique copper effect. The flowers are fully double.

Buttercup. An improved new yellow Stock of a rich deep tone. It has a fine habit of growth, throwing long spikes closely set with large flowers. The percentage of doubles is exceptionally high.

Elk's Pride. An intense royal purple growing over 2 feet high. This stately plant is a mass of large, sweetly perfumed, double flowers.

Shasta. A new, glistening, giant white, with longer stems and more blooms to the stem. Produces a high percentage of doubles.

Each, pkt. 35 cts., ½ oz. \$1, ¼ oz. \$1.50

Ten Outstanding Varieties

Chamois-Rose	Deep Rose
Golden Rose	Old-Rose
Apple Blossom	Canary-Yellow
Dark Blue	White
Lavender	Mixed
Blood-Red	

Each, pkt. 25 cts., ½ oz. 75 cts., ¼ oz. \$1.25

Giant-Flowering Beauty Stocks

A fine strain of early-flowering winter or Brompton Stocks, 2 feet high, and having numerous spikes of large, double, delightfully fragrant flowers; of special value as pot-plants and for cutting during the winter months; for this purpose seed should be sown from July to September; if sown in February or March, will produce plants that will bloom from midsummer to frost outdoors.

Christmas Pink. A magnificent Stock, freely producing long trusses of double blooms of an exquisite light pink. From seed sown in midsummer, plants may be had in flower during winter in the greenhouse and conservatory. Pkt. 50 cts., 3 pkts. \$1.25.

Twelve Outstanding Varieties

Almond Blossom. White, shaded carmine.
American Beauty. Deep rose-pink.
Aurora (Chamois). Cream, tinted pink.
Beauty of Nice. Delicate pink.
Crimson King. Rich blood-crimson.
Lloyd George. Blood-red.
Mont Blanc. Purest white.
Monte Carlo. Canary-yellow.
Old Rose. Beautiful shade of old-rose.
Queen Alexandra. Beautiful lilac.
Salmon King. Salmon-rose.
Summer Night. Rich deep blue.
Mixed.

Each, pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1

Perfection Stocks, Mixed. These are of pyramidal habit and grow 2 feet high. The assortment contains many hues and tints. Pkt. 15 cts., ½ oz. 40 cts., ¼ oz. 75 cts.

Early- or Winter-Flowering Sweet Peas

Popular as greenhouse subjects, they may be sown also in the garden in spring for earliest bloom outdoors. They are particularly adapted to sections where the Summer-flowering Spencer varieties have not proved satisfactory. In our southern states, if sown during the early fall months, they will produce flowers during the winter and continue until killed by the heat of summer. This is a distinct advantage over the regular Spencer Sweet Peas which, if sown at the same time, will not begin flowering until April.

Ten Outstanding Varieties

Apollo. Soft salmon-pink self, a charming and appealing shade blending perfectly with most pink and lavender tints. The flowers are unusually large, nicely waved, splendidly placed, and the stems very long. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Blue Bonnet. Beautiful, clear deep blue color and a large flower. In it there is not the slightest trace of mauve. Four blossoms to the stem is usual, and the stems are long. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Claret Cup. A distinctly new color in early Sweet Peas, which may be described as a pansy-purple. Enormous blooms, often measuring from 1¾ to 2 inches across. The long, sturdy stems frequently bear four blooms. Pkt. 25c., ½ oz. 85c., oz. \$1.50.

Exposition Pink. A gorgeous rich pink, one of the most fascinating colors ever introduced. Splendid in artificial light. Often has four blooms on each long stem. Pkt. 25 cts., ½ oz. 85 cts., oz. \$1.50.

Lavanda. Excels all other varieties in this color in size of bloom, length of stem, and general vigor. A pure lavender, clear and uniform; beautifully waved. Pkt. 25 cts., ½ oz. 85 cts., oz. \$1.50.

Pal. Here we have a combination of rose and crimson which holds its brightness and depth of color under glass. The stems are long and strong and the flowers are of excellent form, large and bold. The vines are vigorous in growth and very free flowering. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.



Giant Imperial Stocks

Shirley Temple. This fine variety is a cross between Pinkie and Lady Gay—the first gives it enormous blooms and a rich and beautiful soft rose-pink color; from Lady Gay it inherits its daintily frilled flowers. Pkt. 25 cts., ½ oz. \$1, oz. \$1.75.

Sparkle. The color is bright, clear, vivid scarlet, quite sunproof, and the flowers are large, bold, and nicely placed on the stout stems. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Valencia. The best orange in cultivation. A very bright color, and absolutely sunproof. The flowers are carried on long stems. Pkt. 25 cts., ½ oz. 75 cts., oz. \$1.25.

White Harmony. The flowers are large, pure paper-white, and of great substance. The seeds are black. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Other Good Sorts

Early Amethyst. Royal purple. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Early Blue Bird. Wedgwood blue. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts.

Early Giant Rose. Rose-pink. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Early Imperial Pink. Large clear pink. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Early Lavender King. Rich lavender. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Early Majestic Rose. Deep brilliant rose-pink. Pkt. 25 cts., ½ oz. 75 cts., oz. \$1.25.

Early Mrs. Kerr. Best salmon-pink. Pkt. 20 cts., ½ oz. 60 cts., oz. \$1.

Early Redwood. Bright, rich crimson. Pkt. 25 cts., ½ oz. \$1, oz. \$1.75.

Early Snowstorm. Good white; vigorous. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts.

Early Triumph. Beautiful lilac-mauve. Long. Pkt. 25 cts., ½ oz. \$1, oz. \$1.75.

Zvolanek's Rose. Deep rose-pink. Pkt. 15 cts., ½ oz. 40 cts., oz. 75 cts.

Early-flowering Mixed. A mixture covering all the colors. Pkt. 15 cts., ½ oz. 35 cts., oz. 60 cts.

FOR SUMMER-FLOWERING SWEET PEAS, see page 44.

STATICE (Sea Lavender)

Annual and Perennial; Everlasting. The cloud-like masses of flowers of the branching varieties make borders gay for a long time, while their delicate coloring and light, graceful habit are a great help to other everlasting flowers. Sow outdoors early in May or sow in a hotbed in March and transplant in April.

Annual Varieties

Sinuata, Mauve. Clear mauve. 2 ft.

Sinuata, Rose Superba. Rose. 2 ft.

Sinuata, Blue. Rich deep blue. 2½ ft.

Sinuata, Yellow (S. Bonduelli). Bright yellow. 3 ft.

Suworowi. Cloud-like masses of rose. 2 ft.
 Each, pkt. 10 cts., ¼ oz. 30 cts., oz. \$1

Dumosa. The color effect of the dried flowers of this Sea Lavender is pure silver. 2 ft. Pkt. 25 cts., ½ oz. \$1, ¼ oz. \$1.50.

Latifolia. Blue. 2½ ft. Pkt. 15 cts.

Mixed Perennial Varieties. Containing many sorts. Pkt. 15 cts., ¼ oz. 60 cts.

Sow Sweet Peas Early in Rich Land. These Are Among the Best Sorts

Summer-Flowering Sweet Peas

For Growing in the Garden

CULTURE.—Sow seed as soon as the ground can be worked in the spring. Dig a trench about a foot wide and deep, and fill in with 6 inches of well-rotted stable manure; tread down firmly and replace the good garden soil. Draw a single straight line in the middle of the prepared surface, about $\frac{3}{4}$ inch deep; sow seed at even distances of about 3 inches, and cover. When the plants grow about 3 or 4 inches high, thin out to 6 inches from each other. As soon as the vines reach a height of about 8 inches, proper supports should be provided.

The Sweet Pea is a moisture-loving plant, and by the month of May the plants will require water. It is advisable to use a mulch of old stable manure and soak well with hose as needed.

Ambition. One of the best of the large-flowering lavender sorts. The flowers are waved. Pkt. 10 cts., oz. 35 cts.

Atlantic.* A distinct variety, and especially beautiful under artificial light. The color is geranium-pink, suffused with amber, and with a lace-like netting of cherry-blossom-pink. Pkt. 15 cts., oz. 75 cts.

Beatall. One of the largest Sweet Peas grown; not only the flowers are large, but the stems also are exceptionally long and stout. The color is a chaste shade of pink, suffused with salmon. Pkt. 10 cts., oz. 35c.

Blue Bell. Clear blue, the large flowers being carried on fine long stems. An exceptional variety for the exhibitor, and it is distinctive in size and texture. Sprays of four beautiful frilled flowers are produced freely and nearly every bloom is duplex. Pkt. 10 cts., oz. 35 cts.

Blue Flame.* A large dark blue Sweet Pea. It is deeper than anything in the blue class. Fine long stems, and the flowers are very sweet scented. Pkt. 10 cts., oz. 35 cts.

Celebrity. The most vigorous-growing, orange-colored Sweet Pea. Its flowers are unusually large and the stems long and strong. The color is uniform in standard and wings, and bright rather than dark. We cannot recommend this variety too highly. Pkt. 10 cts., oz. 35 cts.

Charity. This is, without a doubt, the finest rich brilliant crimson which does not burn in the sun. A vigorous grower; the exquisitely waved flowers are usually produced in fours on long graceful stems. Pkt. 10 cts., oz. 35 cts.

Chieftain. Large-flowering; silky mauve. Awarded a Gold Medal by the Scottish Sweet Pea Society. Pkt. 10 cts., oz. 35 cts.

Ecstasy.* Entrancing shade of blush- or light pink. The flowers are very large and bold, and they are waved. Well placed on long stems. Pkt. 10 cts., oz. 35 cts.

Daffodil. One of the best of the large-flowering cream types. Black seed. Pkt. 10 cts., oz. 35 cts.

Debutante. A magnificent new shade in Sweet Peas, and difficult to describe, but the general effect is a lovely soft salmon shaded coral or peach-pink. It is a surprisingly strong grower. Pkt. 10 cts., oz. 35 cts.

Electra. Rosy mauve, heavily overlaid with a very pronounced electric blue shading. Quite distinct from any other variety; a good garden and decorative Pea. Vigorous and long stemmed. Pkt. 25 cts., oz. \$1.

Flamingo. This is a fine exhibition variety. Sometimes as many as five flowers are produced on a single stout stem. The color is a heavy shading of cerise on a ground of orange-scarlet. Pkt. 10 cts., oz. 35 cts.

Gleneagles. One of the best lavenders in commerce. Extra-long stems and very large flowers. Pkt. 10 cts., oz. 35 cts.

Headlight. Orange-scarlet. A pure color, the wings and standard of the flower being of the same hue. Claimed to be absolutely sunproof. Pkt. 25 cts., oz. \$1.

Kitty Pierce.* (Duplex Type.) One of the most charming of Sweet Peas. Both wings and standard are of a soft, light lilac, and spreading through the flower is a delicate suffusion of blush-pink. Pkt. 15c., oz. 75c.

Lady Ruffles.* The warm glow of beautiful soft pink on a ground of white runs down to the base of the standard and wings. A robust variety. Lady Ruffles won the Gold Medal of the Scottish National Sweet Pea Society in 1931. Pkt. 15 cts., oz. 75 cts.

Mastercream.* The stems are long, and they carry beautifully frilled flowers, most of which are duplexed; they are very large and cream in color. Black seed. Pkt. 15 cts., oz. 75 cts.

Mavis. A rich color, glistening like gold in the sun. The huge standards are double and beautifully fringed. A fine, all-round, sunproof variety. Pkt. 25 cts., oz. \$1.

Model. A very large-flowering white with long stems. The blossoms are well waved. Seeds are black. Pkt. 10 cts., oz. 35 cts.

Pinkie. Strong stems bear a profusion of flowers throughout the season. Deep rose-pink. Pkt. 10 cts., oz. 35 cts.

Pinnacle. A true deep hue, sparkling and lively, with standard and wings alike in color. Vigorous in growth, even more so than its parent, Pinkie; produces flowers in great abundance. Pkt. 25 cts., oz. \$1.

Pirate Gold.* A new tint of deep golden orange that is most pleasing. The large blossoms are very resistant to strong sunlight. Pkt. 10 cts., oz. 35 cts.

Powerscourt. A large, fine, pure lavender variety, outstanding in its loveliness. Pkt. 10 cts., oz. 35 cts.

Rapture. A lovely deep, clear rosy pink on a ground of deep cream. The color-combination is charming. Pkt. 25 cts., oz. \$1.

Red Boy. A beautiful self-crimson—the richest and brightest yet introduced. Has won high recognition of the National Sweet Pea Societies of both England and Scotland. Pkt. 10 cts., oz. 35 cts.

Royal Purple. Without a doubt this is the finest rich royal purple. A large-flowering variety. Pkt. 10 cts., oz. 35 cts.

Sentinel. A glowing deep salmon-cerise on cream. Vigorous grower and the large flowers are well placed on exceptionally long stems. Pkt. 25 cts., oz. \$1.

Souvenir. The ground is rich cream and is overlaid with a flush of bright orange-scarlet. Particularly effective when bunched. Pkt. 35 cts., 3 pkts. \$1.

The Sultan.* Almost black—deep silky maroon. Large flowers on long, strong stems. Pkt. 10 cts., oz. 35 cts.

Vectis.* (Duplex Type.) Enormous flowers of the purest white, with a distinct almond-like perfume. The finest white Sweet Pea in cultivation. Pkt. 15 cts., oz. 75 cts.

Welcome.* Most brilliant and dazzling scarlet Sweet Pea. The wings are exactly the same shade as the standard, giving the flower its magnificent self-color effect. The flowers are large and bold, borne on stout stems produced on a vigorous vine. Pkt. 10 cts., oz. 35 cts.

Collection of Outstanding Sweet Peas

One packet each of the 10 recent introductions of merit, distinguished in the preceding list with an asterisk (*)... **\$1.00**

Grand Prize Mixture Giant Summer-flowering Sweet Peas

We have made a carefully balanced selection of all colors and varieties of our Summer-flowering Sweet Peas for this mixture, using only the finest ruffled and long-stemmed sorts. For general use and garden display, Sweet Pea mixtures of this high type are quite satisfactory.

Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.,
 $\frac{1}{2}$ lb. \$1.25, 1b. \$2.25

Special Color Collection of Sweet Peas

For the gardener who desires to grow the best Sweet Peas, but is not interested in names.

Each is the most pleasing of its color with long flower-stalks, suitable for house decoration. Each is robust, and a sort which, under favorable conditions, produces sprays of three and four fragrant blossoms.

Ten Distinct Colors

Cream	Cream-Pink	Scarlet
Lavender	Blue	Salmon-Pink
Purple	White	Carmine
	Light Pink	

Each, pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.25

SPECIAL COLLECTION 75c
One pkt. each of these 10 distinct colors

Grandiflora Sweet Peas

Old-fashioned Sweet-scented Varieties

We offer a mixture of the old-time Sweet Peas which we recommend for their ease of culture, and their delightful fragrance.

Grandiflora Sweet Peas, Mixed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Fantasy Mixture. Every flower is beautifully veined, blotched, and striped, one color on another. Flowers from this mixture make an attractive bunch, not only on account of their wide color-range, but also for their fragrance. Pkt. 35 cts., 3 pkts. \$1.

HARDY PERENNIAL SWEET PEA

See Lathyrus.

STEVIA (Piqueria)

Serrata. Greenhouse and Bedding Plant. Free-blooming tender perennial, bearing a multitude of fragrant, pure white flowers. Suitable for summer bedding or winter blooming under glass. Excellent for cutting. 2 ft. Pkt. 10 cts.

STREPTOCARPUS

S. & W. Co.'s New Hybrids. A new race of the Cape Primrose, resembling the gloxinia. Plants compact; flowers about 2 inches in diameter, with long, tube-like corollas, borne in clusters of six to eight. Colors varied. Used for greenhouse decoration. Pkt. 50 cts.

Have You Room for a Gigantic Annual? Then Grow Tithonia

SPARKLING SWEET WILLIAMS

Dianthus barbatus

Biennial. Well-known, attractive plant flowering the second season from seed. Sow outdoors in May; transplant in August.

Single White **Single Crimson**
Copper-Red **Red, Edged White**
Black-Red **Single Mixed**

Each, pkt. 10 cts., 1/4oz. 50 cts.

COLLECTION: One pkt. each, 5 colors, 40 cts.

Double White **Double Black-Red**
Double Crimson **Double Pink**
Double Finest Mixed

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Newport Pink. Watermelon-pink, brilliant and beautiful. Flowers on stems 1 1/2 feet high. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Scarlet Beauty. An intensely rich, deep scarlet, very vivid. Pkt. 15 cts., 1/4oz. 50 cts., oz. \$1.50.

Holborn Glory. This strain is a large-flowered selection of the auricula-eyed type. Individual flowers and trusses are of large size, while the range of color, all showing a clear white eye, is truly superb. Pkt. 10 cts., 1/4oz. 30 cts., oz. \$1.

Annual Sweet Williams. Sown indoors during March, these will bloom freely the first year. 9 in. **Mixed.** Pkt. 15 cts., 1/4oz. 60 cts., oz. \$2.

STOKESIA (Cornflower Aster)

Cyanea. *Perennial.* A rare and beautiful plant. It grows about 2 feet high, bearing from twenty to thirty handsome lavender-blue cornflower-like blossoms which often measure 3 to 4 inches in diameter. Blooms from July till frost. For the perennial border and for cutting. Pkt. 15c., 1/4oz. \$1.

TAGETES

Signata pumila, Little Giant. *Annual.* A dwarf, compact Marigold, with beautiful, delicate, fern-like leaves, densely covered with flowers of bright yellow, striped brown. A first-class bedding and edging plant. 10 in. Pkt. 25 cts., 1/8oz. 75 cts.

THALICTRUM (Meadow Rue)

Adiantifolium. *Perennial.* A beautiful hardy plant with foliage like the maiden-hair fern and miniature white flowers in June and July. 1 1/2 ft. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Aquilegifolium. *Perennial.* The foliage is similar to the columbine. Rosy purple flowers in June and July. 3 ft. Pkt. 15 cts., 1/4oz. 75 cts.

Dipterocarpum. *Perennial.* A real gem among hardy plants, not only for the garden, but its dainty, graceful sprays of flowers are invaluable for cutting. They are violet-mauve, which is brightened by a cluster of lemon-yellow stamens. 3 ft. Pkt. 25 cts., 1/8oz. 60 cts., 1/4oz. \$1.

THUNBERGIA (Black-eyed Susan)

Annual Climber. Beautiful, rapid-growing climber, preferring a warm, sunny situation. Very pretty flowers in buff, white, orange, etc., with dark eyes. 4 ft. **Mixed.** All colors. Pkt. 10 cts., 1/4oz. 50 cts.

TURTLEHEAD. See Chelone.

TOBACCO. See Nicotiana.

TROPÆOLUM. See Nasturtium.

THERMOPSIS

Perennial. A very striking plant, 4 feet tall, producing long spikes of yellow blossoms during June and July. Pkt. 25 cts.

THYMUS (Thyme)

Serpyllum. *Perennial.* A valuable plant for the alpine garden. But 4 inches high, it is of trailing habit with bright lilac-purple flowers. Pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50.

TITHONIA (Mexican Sunflower)

Speciosa. *Annual.* This half-hardy annual, seeds of which may be sown under glass and transplanted, or later in the open ground when danger of frost is over, is a shrub-like plant of enormous dimensions—8 feet high. The orange-colored, daisy-like flowers are 3 to 4 inches in diameter, on stems almost a yard long. Pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

TORENIA

Fournieri. *Greenhouse and Bedding Plant.* A very fine annual; splendid for vases, hanging-baskets, borders, etc. Sky-blue flowers, bright yellow centers. Pkt. 15 cts.

TRITOMA

Red-Hot Poker; Flame Flower; Torch Lily

Perennial. Not strictly hardy, but will live through the winter with a protective covering of leaves or short manure; or the roots may be lifted and carried over winter in sand in a cellar.

Express. Orange-yellow. 4 ft.

May Queen. Yellow. 2 ft.

Each, pkt. 15 cts., 1/4oz. 75 cts.

TROLLIUS (Globe Flower)

Perennial. Like immense buttercups, these striking plants are very effective in the mixed border. Light soil, well drained, and a partly shaded position suit them admirably. They bloom from May to August.

Asiaticus. Orange. 2 ft. Pkt. 25 cts., 1/8oz. \$3.50.

Europæus. Yellow. 2 ft. Pkt. 25 cts., 1/8oz. \$1.

Ledebouri. Orange. 2 ft. Pkt. 25 cts., 1/8oz. \$2.50.

URSINIA (Sphenogyne)

Anethoides. *Annual.* Excellent for edgings. The orange, daisy-like flowers have purple and black centers. 1 ft. Pkt. 15 cts., 1/4oz. 75 cts., oz. \$2.50.

Anethoides, New Hybrids. *Annual.* Each plant carries a hundred or more flowers at one time. All have florets of a delightful rich orange, but the coloring surrounding the disk varies in tone from ruby-red to dark purple, with distinctive jewel-like dots. From April-sown seed plants commence flowering in June and continue to September. 1 1/2 ft. Pkt. 20 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.

Pulchra. *Annual.* A smaller type. The entire effect of the plant is a most brilliant one, being covered with flowers of a rich deep orange. 6 in. Pkt. 25 cts., 5 pkts. \$1.

Aurora. *Annual.* Daisy-like flowers, with a bright orange corolla, and a deep crimson inner ring. 1 ft. Pkt. 50 cts., 3 pkts. \$1.25.



Venidium fastuosum

VALERIAN (Garden Heliotrope)

Perennial. Pinnate foliage and panicles of heliotrope-scented flowers. 4 ft. June, July.

Red, White, Mixed. Each, pkt. 10 cts., 1/2oz. 40 cts., oz. 75 cts.

VENIDIUM

Fastuosum. *Annual.* For the garden or for growth under glass. Height 2 to 3 feet, with daisy-like, orange flowers, 3 inches across, and black centers. Give the same general culture as celosia. Pkt. 35 cts., 3 pkts. \$1, 1/8oz. \$1.50.

Fastuosum Hybrids. *Annual.* In this mixture are included white, cream, lemon, yellow, orange, and buff, and each flower has a black center. Pkt. 50 cts., 3 pkts. \$1.25.

VERBASCUM

Olympicum. *Perennial.* The large leaves are covered with a silvery down, and above them rises a pyramid of bright yellow flowers. 5 ft. Pkt. 20 cts., 1/4oz. \$1.

Phoeniceum Hybrids, Mixed. *Perennial.* Various shades from white through yellow to deep orange. 3 ft. Pkt. 15c., 1/4oz. 60c.

VERONICA

Spicata. *Perennial.* Hardy border plant, 1 1/2 feet high, bearing bright blue flowers all summer. Pkt. 15 cts.

Spicata, Mixed. *Perennial.* Blue, Pink, and White. Pkt. 10 cts.

Amethystina. *Perennial.* Amethyst-blue. 2 ft. Pkt. 25 cts.

Incana. *Perennial.* Blue. 1 ft. Pkt. 25 cts.

Longifolia. *Perennial.* Lilac. 3 ft. Pkt. 15c.

VINCA

Madagascar Periwinkle; Old Maid

Annual. One of the most satisfactory bedding plants we have. It is best to start the seed early indoors, but they begin blooming in August from seed sown out-of-doors in May. 1 ft.

Alba. Pure white.

Rosea. Rose.

Rosea alba. White, with rosy eye.

Each, pkt. 15 cts., 1/4oz. 60 cts., oz. \$2

Mixed. Pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50.

Here Are Up-to-date Verbenas for Color—Wallflowers for Fragrance

BRILLIANT VERBENAS

ANNUALS

Sow in the open ground in May, or earlier under glass. Thin to 1 foot apart.

Giant-flowering Types

We are offering a truly giant sort. It has more flowers to each truss, and the individual florets are larger. Attains a height of 1½ feet and, if sown outdoors early in May, may be had in bloom by July.

Etna. Vivid scarlet with small yellow eye.
Luminosa. Shades of salmon, flesh, and coral on a ground of flame-pink.
Royale. Royal blue, primrose-yellow eye.
Salmon-Pink. Even tone of salmon-pink.
Spectrum Red. Wonderful dazzling color.
White King. Pure white.
Mixed. A mixture of all shades.

Each, pkt. 15 cts., 1/8oz. 60 cts., 1/4oz. \$1
 COLLECTION: Pkt. each, above 6 colors, 75c.

Lavender Glory. The color is clear and bright, contrasting with the cream-white center of the flower. Individual blooms are larger than the ordinary type. Pkt. 15 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

NOTE. Lavender Glory is not entirely fixed, there being a few light colors and whites.

Beauty of Oxford Hybrids. The color varies from clear rose-pink to rose-red, and makes this the brightest rose-colored Verbena produced from seed. The individual flowers measure over 1 inch in diameter. The foliage is a dark cross-green. Pkt. 25 cts., 1/8oz. 75 cts., 1/4oz. \$1.25.

Medium-flowering Types

The trusses and individual flowers are of large size and brilliant color. Plants are vigorous and bloom freely. For best and quickest results seed should be sown early in the house or hotbed, and transplanted to flowering quarters in May. If sown in May, they bloom from the end of July on. 1 ft.

Defiance. Handsome scarlet.

Blue	Pink	Striped
White	Yellow	Mixed

Each, pkt. 10 cts., 1/4oz. 50 cts., oz. \$1.50

Miniature Types

These tiny plants grow only 6 to 9 inches high, but they bloom continuously. They are well adapted for bedding, or for the front positions in the annual border. They make excellent pot-plants.

Carmine Ball. Bright carmine.

Fireball. Bright flame-scarlet.

Dark Blue **Pure White**

Each, pkt. 15 cts., 1/8oz. 50 cts., 1/4oz. 90 cts.
 COLLECTION: Pkt. each, above 4 colors, 50c.
 Mixed, pkt. 15 cts., 1/8oz. 40 cts., 1/4oz. 75 cts.

Various Verbenas

Lemon Verbena (*Aloysia citriodora*). Every garden should have a few plants of this fragrant favorite. Pale green, delightfully scented foliage. Pkt. 15 cts.

Erinoides (Moss Verbena). This lovely variety produces a mass of moss-like foliage, spreading over the ground like a carpet, above which are borne heads of purplish blue blossoms; in flower from June until frost. Pkt. 15 cts., 1/4oz. 60 cts.

Venosa (Hardy Garden Verbena). Strong plants, 1 foot high, bear purple flowers continuously through summer. Pkt. 15 cts., 1/8oz. 40 cts.



Verbena, Beauty of Oxford

CHEERFUL VIOLAS

Tufted Pansies

PERENNIAL

Violas bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct, and they bloom for a longer time.

Viola cornuta Hybrids

Blue Gem (Jersey Gem). Very pleasing shade of deep violet-blue, with an occasional very slight variation in tint. May be relied on to come about 70 per cent true from seed. 4 in. Pkt. 25 cts., 1/16oz. \$2.75, 1/8oz. \$5, 1/4oz. \$9.

Apricot Gem. An unusually fine shade, blending into a deep orange center. Splendid when planted with Blue Gem. Pkt. 25 cts., 1/16oz. \$1.50, 1/8oz. \$2.50, 1/4oz. \$4.

Cornuta Mixed. Pkt. 20 cts., 1/4oz. \$1.

New Hybrid Violas

Arkwright Ruby. Terra-cotta markings on crimson make this Viola most attractive. Fragrant. Pkt. 50 cts., 3 pkts. \$1.25.

Blue Butterfly. A perfect bedding Viola, coming practically 100 per cent true from seed. The color is a mid-blue shading to white. Pkt. 50 cts., 3 pkts. \$1.25.

Primrose Perfection. The flowers are so numerous that the plant is almost hidden by them. Pkt. 35 cts., 3 pkts. \$1.

Yellow Queen. Deep yellow. A truly large-flowering type. Pkt. 35 cts., 3 pkts. \$1.

Aurora. Bluish purple; immense flower. Pkt. 25 cts.

Avalanche. Immense, pure white flowers. This variety supersedes White Queen. Pkt. 25 cts.

Finest Mixed. Pkt. 25 cts.

Sweet Violet (*Viola odorata*). Violet-blue; fragrant. 4 in. Pkt. 25 cts.

Viola tricolor (Johnny-jump-ups). These cheerful and popular little "Pansy Faces" are easy to grow, and they will self-seed without further attention. Flowers are purple, blue, and yellow. Pkt. 20 cts., 2 pkts. 35 cts., 1/8oz. 50 cts.

VIRGINIAN STOCKS

Annual. Sown early, these pretty annuals are gay in the period between the spring and summer flowers, their fresh, bright colors in lines and beds producing a charming effect. **White, Rose, or Mixed.**

Each, pkt. 10 cts., 1/2oz. 25 cts., oz. 40 cts.

TOM THUMB VISCARIAS

Annual. This beautiful new race of Viscarias is quite unlike others, in that the plants are compact and bushy in form and they bloom so freely as to be entirely covered. The plants grow evenly in height. Individual flowers resemble single wild roses in miniature form. 1 ft.

Blue Bouquet. Erect and bouquet-like, and the flowers are a brilliant cornflower-blue. Pkt. 35 cts., 1/16oz. \$1.50, 1/8oz. \$2.50.

Blue Queen. Bright blue.

Rose Queen. Rose.

White Queen. Pure white.

Each of above three, pkt. 25 cts., 5 pkts. \$1

WALLFLOWERS

These half-hardy perennial and annual Wallflowers are grown for early spring bedding and for their delightful fragrance. Perennial sorts should be sown in autumn and carried over in coldframe; annual sorts may be sown indoors in March and will flower the first year from seed.

New Annual Wallflower, Extra-Early Double

If seed of this variety is sown in early spring, it will be in full bloom by June. The flowers are equal in size to those of the perennial double varieties, and they are delicately perfumed.

Canary-Yellow	Dark Brown
Golden Yellow	Mixed
Light Brown	

Each, pkt. 25 cts., 1/8oz. \$1, 1/4oz. \$1.50

Single Annual Varieties

Early Parisian. Gold, shaded orange-red.

Early Blood-Red. Red, orange shaded.

Early Golden Gem. Yellow.

Each, pkt. 10 cts., 1/4oz. 30 cts.
 Mixed, pkt. 10 cts., 1/4oz. 25 cts.

Perennial Varieties

The following varieties are hardy but should be sown in early fall, carried over winter in a frame, and planted out in the spring.

SINGLE. Cloth of Gold (yellow), **Eastern Queen** (salmon), **Ellen Willmott** (ruby-red), **Feltham Early** (brown-red), **Golden Glory** (old-gold), **Vulcan** (deep red), **Mixed.**

Each, pkt. 15 cts., 1/4oz. 60 cts.

DOUBLE. Black-Brown, Canary-Yellow, Lilac, Orange-Brown, Yellow, Rosy Purple, Mixed.

Each, pkt. 25 cts., 5 pkts. \$1

GREENHOUSE WALLFLOWER. See Cheiranthus.

XERANTHEMUM

Annual; Everlasting. Pretty edging plant. The flowers are useful for dried bouquets for winter decoration. Easily grown. 2 ft.
Mixed. Pkt. 10 cts., 1/4oz. 25 cts., oz. 75 cts.

WILD CUCUMBER. See Echinocystis.

WINDFLOWER. See Anemone.

WOLFSBANE. See Aconitum.

WOODRUFF, SWEET. See Asperula.

YARROW. See Achillea.

YOUTH AND OLD AGE. See Zinnia.

We Deliver Flower Seeds Post-Free to Any Point in the U. S.

The Gorgeous Zinnia

Youth and Old Age (ANNUAL)

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. No annual excels the Zinnia in freedom of bloom. Splendid for garden decoration and for cutting.

Giant Double Dahlia-flowered

The plants attain a height of 3 feet, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth, similar in shape to the decorative dahlia, with the same fullness of the petals. Illustrated on page 40.

- ***Buttercup.** Deep creamy yellow.
- ***Crimson Monarch.** Flaming crimson.
- ***Dream.** Deep lavender-blue.
- ***Exquisite.** Light rose.
- Golden Dawn.** A pure clear golden yellow. The flowers are of enormous size and of the most perfect type.
- ***Oriole.** Orange and gold.
- Polar Bear.** Large; finest pure white.
- ***Scarlet Flame.** Bright scarlet.
- Youth.** Beautiful light rose.

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2
Mixed, pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts., oz. \$1.50
COLLECTION: Pkt. each, 6 marked *, 75 cts.

Mammoth California Giants

When in full bloom, they reach an enormous size, yet their flatness gives them a most graceful appearance. They grow to a height of 3 feet, and the fine double blooms will sometimes average a diameter of 6 inches.

- Brightness.** Bright pink.
- Cerise Queen.** Cerise-rose.
- Enchantress.** Light rose, with deep rose center.
- Lemon Queen.** Lemon-orange.
- ***Miss Willmott.** Soft pink.
- ***Orange Queen.** Golden yellow.
- Orange King.** Cadmium or burnt-orange.
- ***Purity.** Pure white.
- ***Rose Queen.** Bright rose.
- ***Scarlet Gem.** Glowing scarlet.
- ***Violet Queen.** Shade of violet.

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25
Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1
COLLECTION: Pkt. each, 6 marked *, 50 cts.

Dwarf Double-flowering

This type of Zinnia, while not so tall as the varieties offered above, is a very satisfactory type for borders or cutting. Grows about $1\frac{1}{2}$ feet high; flowers perfect.

- | | |
|----------------------|--------------------|
| Crimson | Salmon-Rose |
| Canary-Yellow | Scarlet |
| White | Mixed |
| Golden | |

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., oz. \$1.25

Midget Zinnias

Many gardeners greatly enjoy the tiny miniature Zinnias which skilled plant-breeders are now giving us. This dwarf type is shown in color on page 30.

- *1. **Canary Gem.** Canary-yellow.
- *2. **Golden Gem.** Golden orange.
- *3. **Salmon Gem.** Salmon-rose.
- *4. **Scarlet Gem.** Scarlet.
- *5. **Crimson Gem.** Crimson.
- *6. **Pink Gem.** Pale pink.
7. **White Gem.**
8. **Mixed Gems.**

Each, pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2
COLLECTION: Pkt. each, 6 marked *, 50 cts.

Various Zinnias

Gypsy Girl. A charming miniature Zinnia, 9 inches in height, and of rather spreading habit. The chocolate-maroon flowers have each a golden yellow band, producing a novel and beautiful effect. Pkt. 25 cts., $\frac{1}{8}$ oz. \$1, $\frac{1}{4}$ oz. \$1.50.

Curled and Crested. The petals of this strain are curled and crested into the most fantastic and graceful forms. Our mixture includes all the brilliant shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Haageana. A dwarf, compact variety growing 9 to 10 inches high, and bearing masses of double flowers $1\frac{1}{2}$ inches through in a most unusual range of color—rose ground tipped yellow, maroon ground tipped cream, yellow tipped wallflower-red. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Picotee. Medium-sized flowers, but very effective. The petals are marked with a color distinct from that of the body of the flower. Plants attain a height of $1\frac{1}{2}$ feet. **Mixed.** Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Victory Quilled. This new type has petals similar in form to the cactus dahlia. Plants attain a height of $1\frac{1}{2}$ feet. We offer them in a good mixture of colors. Pkt. 15 cts., $\frac{1}{4}$ oz. 60 cts.

Pumila Picotee, Salmon-Rose. The petals are ruffled and curled, giving a light, dainty effect, and, in addition, each is beautifully picoteed, making a most attractive flower. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.

Pumila Picotee, Finest Mixed. The mixture includes salmon shades, cream, buff, biscuit, yellow, and lavender. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.



Mexican Zinnias

Mexican Zinnias. Spreading plants with flowers which are suggestive of French Marigolds; some are double, some single, and many are semi-double. Colors are shades of yellow, red, or brown; also various spotted and striped combinations of these colors. **Mixed.** pkt. 25 cts.

FLOWER SEED MIXTURES

WILD-FLOWER MIXTURE. Seeds of native plants. No garden hybrids or "tame" plants included in this mixture. Suitable for broadcasting in odd corners, when hiking, etc. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$2, lb. \$7.50.

MIXED SEEDSMAN'S FLOWERS. All the flower seeds in our establishment are contained in this mixture, which is mostly an assortment of cultivated types. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

ROCK-GARDEN MIXTURE. All the dwarf flowers, cultivated and wild, annual and perennial, that are suitable for the rock-garden. Sow it amid the rocks and boulders of your Westchester or Connecticut home. There is a peculiar charm about plants that seem spontaneously to appear some months later. Mix seed with fine soil, 1 ounce to a pailful, and broadcast the mixture freely. Pkt. 15 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.50, lb. \$10.

ORNAMENTAL GRASSES

The annual varieties are principally grown for their beautiful flower panicles which when dried are useful for bouquet work. Perennial varieties are valuable for borders or massed between shrubs or on the lawn.

Sow outside in May, transplant or thin out when large enough to handle. If flower-heads are cut before they are ripe, they will keep for a long period.

Annual Grasses

- BRIZA maxima.** Quaking Grass. 1 ft.
- COIX Lacryma-Jobi.** Job's Tears. 3 ft.
- ERAGROSTIS elegans.** Love Grass. 1 ft.
- PENNISETUM longistylum.** Plume Grass. 2 ft.
- ZEA japonica.** Striped Corn. 5 ft.

Perennial Grasses

- ERIANTHUS Ravennæ.** 4 ft.
 - EULALIA japonica foliis vittatis.** 4 ft.
 - GYNERIUM argenteum.** Pampas. 6 ft.
 - PENNISETUM Ruppelianum.** 3 ft.
 - STIPA pennata.** Feather Grass.
- Each, pkt. 10 cts.
COLLECTION: Pkt. each, 10 varieties, 75 cts.

FLOWER SEED COLLECTIONS

Annuals (Our Selection)

- 12 pkts. Most Popular Annuals. \$1 00
- 12 pkts. Separate Varieties for Rock-Gardens. 1 00
- 12 pkts. Different Sorts to Grow in Shady Gardens. 1 00
- 12 pkts. Perfumed Annuals. 1 00
- 12 pkts. Annuals for Cut-Flowers. 1 00
- 12 pkts. Annual Climbing Plants. 1 00

Hardy Perennials (Our Selection)

- 12 pkts. Most Popular Perennials. \$1 50
- 12 pkts. Separate Perennials for Rock-Gardens. 1 50
- 12 pkts. Different Perennials to Grow in Shady Gardens. 1 50
- 6 pkts. Perfumed Perennials. 75
- 12 pkts. Perennials for Cut-Flowers. 1 50

Everlastings (Our Selection)

- 6 pkts. Annual and Perennial subjects which retain their color when dried. For winter decoration. 50

Sow Stumpp & Walter Co.'s Vegetable Seeds for Abundant Crops of Exhibition Quality

Grow Them for Health and Profit.

Vegetable-growing assures a positive return in health and nutrition. The food you grow is so much better than the food you buy because it is fresher, more palatable, contains more vitamins, is more varied. From even a small plot, the produce is so abundant that often you have food to spare for less-fortunate neighbors. Vegetable-growing is easy, especially now, when so many disease-resistant vegetables are available to the gardener. In many homes a portion of the lawn may be spared for a season, dug up, and fertilized. A space 25 feet by 50 feet or even less is ample to furnish delicious Beans and Beets, Tomatoes and Lettuce, and a dozen other fine vegetables for a family of four.

VEGETABLES WHICH FIGHT DISEASE

If your crops were injured last year by wilts or blights of any kind, we suggest that you use varieties that (a) have long been known as being reasonably disease-resistant, or that (b) have been created specially to meet present-day conditions. Certain health measures, too, will help you to avoid loss from disease. It is recommended that you rotate your crops, use dig-under crops for soil-improvement, burn rubbish promptly after harvesting, and use lime when necessary. Also dust seeds with Semesan, and use the following disease-resistant varieties.

Asparagus, Mary Washington.
Beans, Bountiful.
Beans, Sure-Crop Wax.
Cabbage, Yellows-Resistant Globe.

Cucumber, Lemon and Orient.
Celery, Golden Plume.
Corn, Golden Wedding.
Corn, Golden Cross Bantam.

Spinach, Blight-Resistant.
Tomato, Marglobe.
Tomato, Pritchard's Scarlet Topper.
Watermelon, Pride of Muscatine.

FREE DELIVERY: We deliver vegetable and flower seeds free to any point in the United States at prices listed in this Catalogue

ASPARAGUS

Asparagus Seed

One ounce will plant about 50 feet of drill

CULTURE. Sow in drills at least $1\frac{1}{2}$ feet apart and thin so that plants do not overcrowd. When a year or more old, dig and replant in a prepared bed, as suggested under "Asparagus Roots."

Mary Washington. One of the difficulties in growing Asparagus is the damage often done by rust. Spraying with Bordeaux Mixture to control this trouble is good practice. The best procedure, however, is to plant Pedigreed Mary Washington, the most highly resistant type we know. Seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Conover's Colossal. The standard variety. Reliable. Seed, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Asparagus Roots

A plot 6 feet wide and 50 feet long will be sufficient to plant 100 of our Extra-Choice or Mammoth roots, enough for an ordinary family. Roots of this size should be selected, as they will establish themselves quickly.

CULTURE. Dig a trench $1\frac{1}{2}$ feet deep and 1 foot wide, and fill in about 4 inches with well-rotted manure; tread down firmly. On this put about 5 inches of good, rich soil, and then lay the roots in, about 18 inches apart, taking care to spread well, having the crown in an upright position. Cover to within 4 inches of the top of the trench and, as the plants grow, gradually fill the trench to the surface. For spacing between the rows allow 2 feet. Allow the plants to grow two full seasons before cutting Asparagus.

Mary Washington. Now recognized as our most valuable variety, both for commercial and private use. It is rust-resistant, particularly vigorous, and of wonderful quality. Produces large cuttings of colossal shoots, straight, dark green in color, and with a heavy purple overtone; the tight, firm tips do not begin to open out until well out of the ground. We offer roots produced from the raiser's original reselected seed. Extra-Choice Roots, \$4.50 per 100, \$40 per 1000. Extra-Large Clumps, for forcing, \$1.50 per doz., \$10 per 100, \$90 per 1000. Purchaser pays transportation.

Conover's Colossal. A mammoth bright green sort, the tips of which are often tinged purple. Very tender and of good quality—quite the best of the older standard kinds. Mammoth roots, \$3 per 100, \$27.50 per 1000. Purchaser pays transportation beyond 50 miles of N. Y.

Vitamin-filled Beans

$\frac{1}{2}$ lb. equals about $\frac{1}{2}$ pint; 1 lb. equals about 1 pint; 2 lbs. equal about 1 quart; 15 lbs. equal about 1 peck.



Bush Beans

Bush Beans

Sow twice monthly; gather all summer

One pound will plant 100 feet of drill

CULTURE. Plant as soon as danger of frost is over, placing the seeds 2 to 3 inches apart in drills and about $2\frac{1}{2}$ inches deep. The rows should be about $2\frac{1}{2}$ feet apart, and the soil slightly hilled, to insure good drainage and to keep the Beans from touching the ground. Most Beans should be picked when about 4 inches long. Do not cultivate or pick when bushes are wet, as this may cause blight and rust.

Green-Pod Bush Beans

Yield in from 8 to 10 weeks

Tendergreen. Handsome, 6-inch, round-podded Beans, entirely without strings at all stages of growth, and of fine melting flavor. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Bountiful. Very prolific and a continuous bearer. It is tender, of delicious flavor, and stringless if the flat pods are gathered when no more than $4\frac{1}{2}$ inches long. Bountiful is resistant to rust. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Stringless Green-Pod. Splendid first-early round-podded Bush Bean. Entirely stringless; averages 5 inches long and is slightly curved. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Giant Stringless Green-Pod. Favorite market variety. Pods are an inch longer than Stringless Green-Pod. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Stringless Black Valentine. A fine improvement on the Black Valentine. It is a heavy yielder of stringless, green, pencil-shaped, thick, meaty Beans of finest flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Black Valentine. Matures early, producing long, round, straight pods which are tender when young. A good heat-resister. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

Dwarf Horticultural. Pods medium length, slightly curved, and when nearly developed are splashed with bright red on yellow. The green-shelled Beans are tender, and fine flavored. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Red Valentine. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Refugee Beans for Canning

Stringless Refugee. A very heavy cropper; its flavor is wonderful and it is absolutely stringless. Valuable for immediate use, for pickling or for canning. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Refugee or 1000-to-1. The pods are nearly round, light green, 5 inches long, terminating in a slender point; fleshy, brittle, with slight strings. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

We Deliver Vegetable Seeds Free to Any Point in the U. S.

Wax-Pod Bush Beans

Yield in from 8 to 10 weeks

Sure-Crop Stringless. Large plant with a strong, thick stem, standing up well during stormy weather. Bears an abundance of large, handsome, golden yellow pods which are quite stringless. Sure-Crop is resistant to rust. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 5 lbs. \$1.90, 15 lbs. \$4.25.

Hardy Wax. One of the best round-podded stringless Wax Beans. The plants have thick, leathery leaves which resist cold, blight and plant diseases to a marked degree. Within 65 or 70 days of planting, Hardy Wax bears immense crops of slightly curved deep yellow pods of excellent, brittle quality. Remains in bearing for a long period. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.

Brittle Wax. The earliest Wax Bean; also a great cropper. The bushes are hardy, while the pods are fleshy and entirely stringless. They are of fine flavor, round and solid, tender, brittle and entirely stringless. The seeds make excellent Shell Beans if allowed to ripen. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

New Kidney Wax. The fleshy pods are flattened in form, from 6 to 7 inches in length, $\frac{1}{2}$ inch broad and $\frac{3}{4}$ inch thick; the color is a rich lemon-yellow. The plants produce nearly twice as many pods as the old-time sorts. They have meatiness, fine flavor, brittleness and absolute freedom from strings. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Golden Wax. Flat pods of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Black Wax. Round pods; early and good. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Dwarf Lima Beans

One pound will plant 50 to 100 feet of drill.
Yield in from 12 to 14 weeks.

CULTURE. Sow Lima Beans after danger of frost is over and the soil is thoroughly warm. Sow Bush sorts in rows 2 feet apart and about 3 inches deep, putting the Beans 2 inches apart in the row "eye down," later thinning so that the plants stand 6 to 8 inches apart. For Pole varieties put six seeds in each hill, arranging the hills 3 feet apart each way. They require a pole 7 feet high, and when the vines have reached the top, pinch them and so increase the yield. Some gardeners plant under glass and transplant about the time seeds are usually sown. Limas always do best on a nice, rich, loamy soil. Surplus stock may be ripened on the vines, dried and kept for winter use.

Fordhook. A dwarf form of the popular Challenger or Potato Lima, and earlier. Pods measure 4 to 5 inches, frequently containing 4 fine Beans of medium size, thick, meaty, of the finest flavor, and very tender. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Early Giant. A quick-growing variety. The short period in which this Bean matures enables it to be grown for succession, sowings being made from May 15 to July 10 in the neighborhood of New York. The flavor of this variety is particularly refined, and the Beans, which are large, thick, and flat, are produced in remarkable quantity. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.

Improved Bush. A fine Bush Lima with pods filled with larger and thicker Beans, which are ready for picking very early. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Henderson Bush. Beans are small, but are produced in quantity. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Pole Lima Beans

One pound will plant 50 hills. Yield in from 13 to 15 weeks.

S. & W. Co.'s Green-seeded. The vine is vigorous, with many large branches, producing an abundance of pods, which are closely filled with large, broad-seeded, green Beans. The green tint is a distinctive feature, for it is retained in the dry state. It is finer flavored and more tender than white-seeded varieties. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. 95 cts., 5 lbs. \$2.25, 15 lbs. \$5.50.

Sunnybrook. Earliness, productiveness, and flavor are the outstanding points of this Bean. It is probably the quickest of all the Pole Limas to mature, and it is covered from ground to top with pods containing 4 or 5 fine Beans of quite the best quality, tender and sweet. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

Challenger or Potato. Early and prolific. A small thick Bean of excellent flavor. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Early Leviathan. A very early variety. Produces pods in clusters. A splendid variety where the season is short. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Ford's Mammoth. Beans flat and large. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Pole Snap Beans

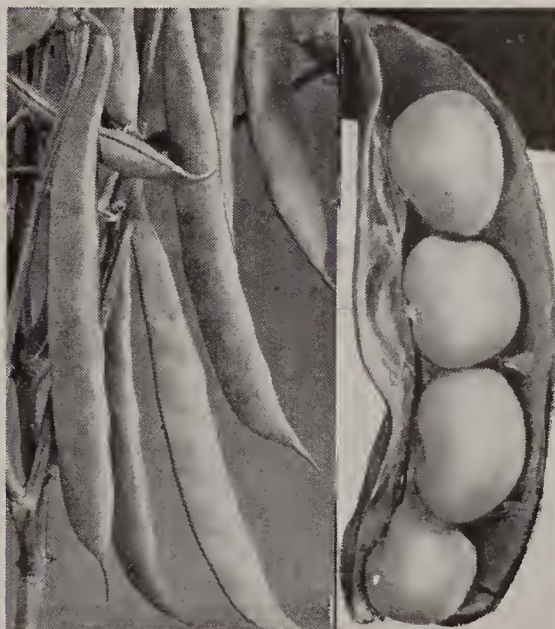
One pound plants 200 hills

Old Homestead (Green Kentucky Wonder). The pods are tender, stringless when young and silvery green, hanging in clusters throughout the plant. Yields in 10 weeks. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Golden Cluster Wax. Pods, produced in 7 weeks, are tender and of fine flavor. Few Beans equal this as a "snap sort" while young, or as a dry, white Shell Bean for winter. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Scarlet Runner. Has scarlet flowers. The green pods, though containing strings, are probably the best flavored of any Bean. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Yard-Long Asparagus. Long, narrow, rounded pods. Pkt. 15 cts., $\frac{1}{2}$ lb. 45 cts., lb. 85 cts., 2 lbs. \$1.50, 5 lbs. \$3.50.



Pole Snap Beans

Lima Beans

Broad Beans

Differ from American types in that they are tolerant of cold and should be planted early. Select strong land and spray continuously against aphid and blight. Not recommended for the home-garden.

English Long-Pod. The pods reach a length of 12 inches and contain seven or eight Beans.

English Windsor. The heavy pods are produced in pairs and contain three or four large Beans.

Each, $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5

Beans for Growing Under Glass

The Prince. A new variety, quick to mature and cropping enormously. The pods are without string, meaty, of fine flavor and immense size—11 to 12 inches being not unusual. Pkt. 25 cts., $\frac{1}{2}$ lb. 55 cts., lb. \$1, 2 lbs. \$1.90, 5 lbs. \$4.50.

S. & W. Co.'s Wonder. Of fine color and refined flavor. The pods are round, average 6 inches in length, and they are borne in great abundance. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Magpie. This is a wonderful Bean of European origin. Plant is of very strong growth, stocky, and resistant to rust. The pods are long, meaty, and of the finest flavor. An enormous producer, suitable for outdoors and under glass. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Masterpiece. Of splendid constitution, a quick grower and very prolific, the pods attaining a length of over 7 inches, straight, tender, meaty and stringless. Bean thick-flat. $\frac{1}{2}$ lb. 35 cts., lb. 60 cts., 2 lbs. \$1.10, 5 lbs. \$2.50.

Beans for Baked Beans

Grow them until they are fully ripened; then shell them.

Pea or Navy. $\frac{1}{2}$ lb. 20 cts., lb. 30 cts., 2 lbs. 55 cts., 5 lbs. \$1.25, 15 lbs. \$3.25.

Red Kidney. $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 15 lbs. \$3.50.

ARTICHOKES

Globe Artichokes

One ounce will produce 500 plants

The scales and bottom of the flower-heads are eaten, either boiled, or raw as a salad. The young suckers are sometimes tied together and blanched and served in the same manner as asparagus. The plants thrive best in deep, rich soil where water will not lodge in winter-time. Sow seeds indoors, and pot up similar to tomatoes, setting out in May, in rows 3 feet apart, leaving 2 to 3 feet between the plants. Some flower-buds may be had the first year. Cover with ashes and leaves in winter. Usually bears the second year.

Large Green Globe. The best variety. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.75.

Jerusalem Artichokes

Artichoke Tubers. Distinct from the Globe, and grown for the tubers. Plant in rows, 3 feet apart and 1 foot apart in the row, and cultivate occasionally. Allow the tubers to remain in the ground until needed. They are excellent served boiled, like new potatoes; valuable also for feeding stock. Qt. 50 cts., pk. \$3. Purchaser pays transportation.

Beets Are an Economical Crop—and the Tops Make Excellent "Spinach"



Sawco Wonder Beet

RED BEETS

One ounce will plant 100 feet of drill;
5 to 6 pounds, an acre. Yield in from
8 to 11 weeks.

CULTURE. Seed may be sown from early spring to mid-July. The ground should be spaded well and deep, placing rows about 18 inches apart, and the drills 1 inch deep. Cover the seed carefully and firm in the ground by walking over the drills. When seedlings appear about 3 inches above ground, thin out to about 4 inches between the plants so as to give ample room for the proper development of the roots. Beets are best for pulling when about 2 inches in size.

Round Types

Good For All. Wonderfully refined flavor, without earthiness and woodiness; uniformity in shape; regularity in size and color—these are the outstanding qualities of this Beet. A perfect globe, smooth and even, it has a collar or neck that is very small, because the leaf-stalks are narrow. The foliage is sparse and short—barely a foot—and gray-green. Flesh is very free from rings or zones, being a uniform deep crimson-vermilion. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Crimson Globe. In about 70 days from planting, one-fourth of the Beets in the Crimson Globe row will be ready for table use. They do not all come to eatable size at the same time, some growing faster than others, thereby lengthening the period of perfection. Flesh bright red with light purple zones. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Detroit Dark Red, Exhibition Strain. This is specially reselected for depth of color, uniformity of shape, and general refinement. It is developed particularly to meet the requirements of the exhibitor and market gardener. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Detroit Dark Red. The round, dark red globe roots are uniformly smooth. The flesh of the very young Beets is almost black-red, turning to dark crimson with dark purple zones as the Beets grow larger. When cooked, the Beets are of an appetizing dark red and very sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Sawco Wonder. An improved Early Wonder Beet which has been given a gold medal rating by the All-America Selection Committee last year. Has all of the fine qualities of Early Wonder, but has, in addition, a fine dark-colored flesh, exceptionally tender and sweet. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

ROUND BEETS, continued

Early Wonder. A variety which may be sown early, and will mature very rapidly. It is so uniform in growth that the crop can be lifted practically at one time. The root is nearly globular in shape, slightly flattened. The leaves are of medium size, and the color of the flesh is deep blood-red; sweet and free from strings. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Crosby's Original Egyptian. The smooth, dark red roots are topped with light green foliage, which is prominently speckled with dark red. The flesh is carmine, handsomely marked with white zones, very tender and of uniformly sweet quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Eclipse. An extra-early sort which produces Beets sixty days from sowing. Of uniform, dark rosy red; top-shaped; easily pulled. Flesh dark purplish red with rose zones; remains in table condition for ten days. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Extra-Early Egyptian. A variety which grows very quickly, producing roots of fine quality, flat and smooth. They are pulled when 2 inches in diameter. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Edmand's Blood Turnip. Deep blood-red, and exceedingly sweet. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

S. & W. Co.'s Winter Keeper. A distinct strain of a main-crop, globe-shaped Beet produced by many years of painstaking selection. Two leading characteristics of this Beet are: the uniformly excellent flavor of its flesh and the remarkable manner in which this quality is preserved during winter storage. Beets are almost globe-shaped, tapering somewhat toward the root. The flesh is dark red, sweet and tender. A portion of the crop may be stored in a cellar or pit until spring. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.75.

Long Type

Long Blood. (Out of ground.) Late variety, the root of which is over a foot long. Five inches of this grows out of the ground. The flesh is deep red in color, sweet, and of high quality; it keeps through into the winter, and its size and shape obviously make it the most economical. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cow Beets (Mangels) and Sugar Beets. See page 95.

BROCCOLI

TRUE ITALIAN MARKET STRAIN

One ounce will produce about 3000 plants.
Takes about 9 weeks from seed.

A delicious vegetable, akin to cauliflower but with a more distinctive flavor. Produces a large, compact, bluish green head. After this is cut, the plant produces numerous tender side shoots, each bearing a small head. May be sown February to July. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.50.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants.
Yields within 17 weeks of sowing seed.

S. & W. Co.'s Favorite. A half-dwarf strain of this fine vegetable, thickly covered with crowded, tight Sprouts, tender and delicious. A delicious vegetable which should find a place in every garden. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.



Early Snowball Cauliflower

CAULIFLOWER

One ounce will produce about 3000 plants.
Autumn Giant requires about 14 weeks,
others about 9 weeks from seed to harvest.

CULTURE. Sow in February or March in a hot-bed and transplant in April. Have the plants $2\frac{1}{2}$ feet apart. Rich soil is essential. Outdoors sow the first week in May and transplant in July. For wintering under glass sow in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well when conditions are severe. When the Cauliflower has attained the size of a hen's egg, protect it by tying the top leaves together, or bending them to form a cover.

S. & W. Co.'s Best of All. The easiest grown and surest heading Cauliflower offered today. In habit the plant is very dwarf, stocky, and erect. It has very few outer leaves and, as a consequence, the young Cauliflower plants may be planted closer than usual. In suitable soil, every plant will form a large, solid, handsome head of the finest table quality. Pkt. 25 cts., $\frac{1}{8}$ oz. 80 cts., $\frac{1}{4}$ oz. \$1.50, $\frac{1}{2}$ oz. \$2.50, oz. \$4.50.

Early Snowball. This wonderful, sure-heading variety is of dwarf habit; the outer leaves are small, hence it is particularly adapted to growing under glass during winter and spring, also for spring planting outdoors. It is, too, an excellent autumn sort. The most popular variety. Pkt. 20 cts., $\frac{1}{8}$ oz. 65 cts., $\frac{1}{4}$ oz. \$1, $\frac{1}{2}$ oz. \$1.75, oz. \$3.

Extra-Early Dwarf Erfurt. Because of its exceedingly dwarf habit and rapidity of growth, this variety is desirable for forcing under glass; also suitable for the open ground. Pkt. 20 cts., $\frac{1}{8}$ oz. 60 cts., $\frac{1}{4}$ oz. 95 cts., $\frac{1}{2}$ oz. \$1.65, oz. \$2.75.

Danish Dry Weather. Stands adverse conditions better than others. The heads grow to a large size, are very solid, pure white, and of delicious flavor. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Autumn Giant. This is larger and slower-growing than the above varieties; more suitable for use in warmer climates. Pkt. 10c., $\frac{1}{4}$ oz. 30c., $\frac{1}{2}$ oz. 45c., oz. 75c.

CARDOON

A vegetable that is grown somewhat like celery and served after the manner of asparagus. Sow in May, and transplant the seedlings 3 feet apart. Two to three weeks before using, the heads of the plants are tied together, straw is piled against them, and soil is heaped against the straw to blanch them. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Our Strain of Copenhagen Market Cabbage Is Especially Fine

CABBAGES

One ounce will produce about 3000 plants.

CULTURE. Sow early kinds in hotbeds in February and March, and in the open ground during April and May. Late varieties for fall and winter use should also be sown in May. Plant 2 feet apart in each direction. Cabbages require good soil.

Early and Midseason Sorts

Yield in from 9 to 12 weeks

Golden Acre. A small but very fine variety, as early as Jersey Wakefield, but with round, solid, well-blanching heads. The few outer leaves are small, permitting close planting. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

S. & W. Co.'s Famous Early Conical. An extremely early variety of conical form. An ideal sort for private gardens, producing solid heads quickly and requiring less space. Pkt. 20 cts., $\frac{1}{4}$ oz. 45 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.

Improved Early Jersey Wakefield. Not quite so early as our Famous Early Conical, but one of the best early Cabbages we have. The heads are hard, solid, and pointed with just a few outside leaves. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Charleston or Large-Type Wakefield. Retains all the characteristics of the Improved Early Jersey Wakefield with the added advantage of greater size. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Babyhead. The head is less than 6 inches across, round, firm, and of splendid mild cooking quality. The outer leaves are few and small, and the stem is short. Babyhead is the first to reach the table when grown outdoors. Pkt. 25 cts.

Copenhagen Market. The stem is short, the head round and solid. When ready for cutting, Copenhagen Market is the heaviest of the extra-early varieties, and if left until fully mature, frequently weighs 8 to 10 pounds. The leaves are small, compact and close to the head, so it will stand close planting. The inside is fine-grained, tender, pure white and compact. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Succession. A splendid second-early, round-headed sort. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Yellows-Resistant Globe. Similar to Copenhagen Market and a few days later. Resistant to disease. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Late Cabbages

Yield in from 14 to 16 weeks

Danish Drumhead. A large Cabbage, somewhat quicker to mature than the undenoted variety. The round heads are very solid, fine-grained and sweet-flavored. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Large Late Flat Dutch. One of the most reliable sorts in cultivation for winter use; produces immense heads of the finest quality; splendid keeper. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

Savoy Cabbages

Yield in from 12 to 13 weeks

American Drumhead Savoy. The round, wrinkled heads are solid, large, and well shaped, and in table quality they resemble the better garden Cabbages. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Early Cone Savoy. Has a cone-shaped head. Pkt. 20 cts., $\frac{1}{4}$ oz. 45 cts., $\frac{1}{2}$ oz. 75 cts., oz. \$1.25, $\frac{1}{4}$ lb. \$4.



Copenhagen Market Cabbage

Red Cabbages

Yield in from 11 to 15 weeks

Mammoth Rock Red. This is the best, largest and surest heading Red Cabbage. The plant is handsome, with numerous spreading leaves, large, round, and very solid heads. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Zenith Red. A small early sort. Very refined and uniformly dark red. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Chinese or Celery Cabbage

Yield in about 11 weeks

A desirable vegetable, nearer to Mustard than Cabbage, palatable and healthful. A cool-weather crop; sow early in spring, or in August for late autumn cropping.

Pe-Tsai. In appearance it is suggestive of a Cos Lettuce, but its crisp leaves and mid-ribs have a Cabbage flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

Wong Bok. A very compact plant, short and broad. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25.

CARROTS

One ounce will plant 100 feet of drill

CULTURE. Sow from March to July in drills $\frac{1}{2}$ inch deep and 14 inches apart; thin out to 4 inches.

Best Early Kinds

Yield in from 9 to 10 weeks

S. & W. Co.'s Rubicore. Rubicore is a fine-flavored, new, early, half-long Carrot. It is a deep orange-red, and the small heart or core is almost the same color, which it retains in cooking, and it is as tender and sweet as the root itself. Rubicore is thus as "coreless" as a Carrot can be. The roots are $5\frac{1}{2}$ to 6 inches long, 2 to $2\frac{1}{2}$ inches at the shoulder, narrowing gradually to a blunt end. They are refined in appearance, smooth and free from eyes, and uniform in size, shape, and color. The tops are medium small, but large enough to bunch. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

S. & W. Co.'s Melting Marrow. A specially fine half-long variety that is cylindrical in shape and of wonderful butter quality. The skin is smooth and the fine red color is carried through the entire root. This splendid Carrot is recommended also for exhibition purposes. The best Carrot from the culinary standpoint. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.50.

French Forcing. Largely grown under glass. It makes a small, almost globe-shaped root of an orange-red color. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Selected Chantenay. A splendid type of the half-long, stump-rooted Carrot. Quick to grow, it averages $5\frac{1}{2}$ to 6 inches in length, broad at the neck, narrowing gradually to a blunt end. The flesh is rich orange-red, free from core, tender, fine flavored, and of excellent table quality. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$1.75.

Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core. It is excellent for forcing and general use, and for quality it cannot be surpassed. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

Scarlet Horn. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Oxheart or Guerande. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.50.

Late Varieties

Yield in from 11 to 13 weeks

S. & W. Co.'s Emperor. Rich red color, of high culinary quality, free of core and fiber. An elongated Danvers type, round-shouldered, almost cylindrical for the first 6 inches, then gradually tapering to a point. Fine commercial sort, and excellent for the private estate or home-garden. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Selected Danvers. A handsome, tapering cylindrical Carrot of good size. Dark orange, of excellent table quality, smooth and has little core. Yields a greater weight per acre than almost any other variety. Selected stock for market gardeners and home use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Tendersweet. Gradually tapering, handsome, blunt-ended roots, about 9 inches long, and fine, deep orange-red in color. They are exceptionally sweet, tender and of high quality. Foliage is dark, with bluish stems. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Long Red Surrey. Larger, better-flavored, and of a deeper color than most other types; flesh sweet and tender; never hard or woody. The smooth, even-shaped roots are of good size, 6 to 8 inches in length and 2 inches in diameter at the top, tapering gradually to the tip. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Long Orange Improved. It grows 12 inches long and 3 inches in diameter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55 cts., lb. \$1.50.

New Red Intermediate. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Two Carrots for Prize Winning

Exhibition Chantenay and Exhibition Danvers. Two strains of these standard varieties that have been specially grown and selected for exhibition. Each, pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.35, lb. \$3.75.

Golden Plume Is a Most Dependable Celery—Hence Its Popularity

CELERY

One ounce will produce 3000 plants. Early sorts take around 15 weeks, late sorts about 18 weeks, from seed to maturity

CULTURE. Sow the seed in a coldframe, or in a dry border as early as the ground can be worked. Transplant or thin out 5 to 6 inches apart, and allow to grow until wanted for setting out into the beds or trenches in July. Rows or double rows should be 3 feet apart and the plants set about 8 inches apart in the row. From one to three weeks (depending largely upon the variety) prior to harvesting, the plants should be boarded or earthed up to blanch them.

Early Quick-Blanching Varieties

Golden Plume. The improvements over Golden Self-blanching are (a) superior flavor, (b) wonderful color, (c) resistance to blight and rust, (d) earlier maturity, (e) superior keeping qualities, (f) increased size. It possesses a nutlike flavor, and is handsome in appearance. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Earligreen. The finest, earliest green Celery. Large for an early sort. The outer leaves are green, and the very full heart is pure white, brittle, and of the most delicious flavor. Pkt. 25 cts., $\frac{1}{8}$ oz. 75 cts., $\frac{1}{4}$ oz. \$1.25, $\frac{1}{2}$ oz. \$2, oz. \$3.50.

Paris Golden Self-blanching. Compact, stocky, with golden green leaves. The solid, brittle heart blanches quickly; fine, nutty flavor. Grown in France, our stock is free from objectionable green plants. Pkt. 15 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.

Improved White Plume. Tender and of the very best flavor. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Well-Keeping Winter Varieties

New Easy-Blanching. Large green plant; the leaves blanch white. As good a keeper as any late sort, though maturing but two weeks later than Paris Golden. The flesh is crisp and brittle, the flavor good. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts., $\frac{1}{2}$ oz. \$1, oz. \$1.75, $\frac{1}{4}$ lb. \$5.50.

Winter Queen. Medium large, light green in color. Blanching and keeps well. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$1.75.

Giant Pascal. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

Covent Garden Red. Pkt. 25 cts., $\frac{1}{8}$ oz. 50 cts., $\frac{1}{4}$ oz. 75 cts., $\frac{1}{2}$ oz. \$1.25, oz. \$2.

Cutting Celery. (For Soup Greens.) Strongly germinating seed. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.

Celery Seed. For soups, etc. Oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

CELERIAC, Large Smooth. Turnip-shaped roots, which are white-fleshed, tender, and possess the flavor of celery stalks. Pkt. 15 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

CHERVIL

One ounce will plant 150 feet of drill

CULTURE. Treat and use like parsley, for garnishing and flavoring soups and salads.

Moss Curled Extra. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

COLLARDS

One ounce will produce about 3000 plants. About 5 weeks from seed to cutting

Georgia. A leafy plant with a large, loose head. In the South it is widely used as a cooked vegetable. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.



Golden Plume Celery

CUCUMBERS

One ounce will plant about 50 hills. Yield in about 9 weeks

CULTURE. Sow seed in hills 4 feet apart each way after mid-May and at intervals thereafter until mid-August. Earliest sowings may be made in April under glass, in pots or inverted turfs, the seedlings being transplanted three to four weeks later, taking care not to disturb the roots.

New Davis Perfect. In color, a dark, glossy green; shape slim and symmetrical, with an average length of 10 to 12 inches. Flesh tender and brittle, and of good flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Improved Early White Spine. The fruits are nearly cylindrical in form, slightly pointed at the ends, perfectly smooth and of deep, rich coloring marked with distinct white lines at the blossom-end. Splendid as a table Cucumber or for pickling. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cool and Crisp. An excellent pickling or slicing Cucumber, of good size, tender and crisp; very early and exceedingly prolific. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

The Lemon. Economical because of the large number of fruits one plant will produce. In size, shape, and color it resembles a lemon, but edible qualities are good, and it withstands drought and disease better than most. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Extra-Long Green. Standard variety about 1 foot in length, of excellent quality; when young makes good pickles. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Japanese Climbing. Distinct climbing sort to train on pole or fence. Good for pickling or slicing. The fruit is about 1 foot long, smooth, dark green, turning brown and netted when ripe. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Longfellow. A long, slender, very dark white-spine Cucumber, desirable for outdoor planting as well as forcing. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Green Prolific (Boston Pickling). For pickling, because small. For slicing also. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Orient. Withstands drought and disease. Its long, dark green fruits, measuring up to 18 inches, are unusually solid and crisp, while the plants are very productive. Pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

Greenhouse Cucumbers

S. & W. Co.'s Improved Telegraph. Very dark green, long and straight. By special arrangement, we have secured a selected strain of this variety. Pkt. (15 seeds) 25 cts., 5 pkts. \$1.

S. & W. Co.'s Forcing White Spine. It is similar in appearance to the well-known outdoor White Spine but is larger. It grows freely under glass, and its advantage over Telegraph and similar forcing types is that it bears earlier, is more prolific, and is more robust. It will thrive under conditions where Telegraph will not, and it is therefore of more simple cultivation. Pkt. (25 seeds) 25 cts., 5 pkts. \$1.

Everyday. Plants set freely at all seasons of the year. Fruit good length, deep green in color, almost smooth, and of splendid flavor. Pkt. (15 seeds) 35 cts., 5 pkts. \$1.50.

WITLOOF CHICORY

French Endive

Familiar white blanching winter salad. Sow in spring in drills 18 inches apart, thinning out the plants to 3 inches. Long parsnip-like roots are formed; these are lifted in the fall and trimmed. They may be planted during winter in a deep trench in a cellar or under a greenhouse bench, so that the neck of the root is 9 inches below the top of the trench, which is then filled level with sandy soil, sand, or manure; through this the Witloof forces its way in about a month. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Large-rooted Magdeburg Chicory. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

WITLOOF ROOTS. Extra-selected crowns for forcing, 75 cts. per doz., \$5 per 100, \$40 per 1000. Purchaser pays transportation.

For Endive, see page 53

CORN SALAD

One ounce will plant 150 feet of drill

CULTURE. Seed may be sown thinly in drills 18 inches apart in early spring, and later for succession although early fall seedings are preferred. The latest sowings may be wintered if lightly mulched.

Large-leaved. Tested seed of high vitality. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 65c., lb. \$1.75.

CRESS

Pepper Grass

Curled or Pepper Grass. The young seedlings are used for salads, and they make delicious fillings for sandwiches. Sow at short intervals for succession. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

True Erfurt Water Cress. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

DANDELIONS

One ounce will plant about 100 feet of drill

CULTURE. Sow early in the year in drills 1 foot apart, covering the seed no more than $\frac{1}{4}$ inch. Thin the plants to stand 4 inches apart. Dandelion may be blanched like endive, or it may be sown later in the season, plants covered lightly with salt hay, and the following spring they will be fit for use.

Large Thick-leaved. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

French Garden. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.50.

Fresh Home-Grown Corn Is Entirely Different from Corn You Purchase

SUGAR CORN

Make frequent plantings and gather it daily from July to frost

One pound will plant 200 feet of drill or 200 to 300 hills

CULTURE. Plant for succession of crops every three weeks, from April to July, in hills 3 feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

Early Sorts

Yield in 10 to 12 weeks from planting

Golden Cross Bantam. Outstanding sort, showing remarkable resistance to bacterial wilt disease. It also has other advantages, such as: increased yield, ability to withstand adverse weather, uniformity of ear, etc. Its stalks are sturdy, ears 7 to 8 inches long, 10- or 14-rowed, maturing in 88 days. Pkt. 20 cts., $\frac{1}{2}$ lb. 40 cts., lb. 75 cts., 2 lbs. \$1.40, 5 lbs. \$3.25.

Spanish Gold. A 10- to 12-rowed Corn of most delicious flavor. Ears 6 to 7 inches long, packed with bright, golden yellow kernels, tender and sweet. Dwarf, therefore needs less room than others. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.10, 15 lbs. \$5.25.

New Wonder Bantam. Grows 5 to 6 feet in height, bearing ears 8 to 10 inches in length, filled with 8 rows of rich, golden yellow, sugar-sweet kernels. More vigorous, more productive, and yields larger ears than Golden Bantam. $\frac{1}{2}$ lb. 25 cts., lb. 45c., 2 lbs. 85c., 5 lbs. \$2, 15 lbs. \$4.50.

Golden Wedding Corn. Like Golden Bantam, but the ears are much larger and have 12 or more rows instead of 8. In flavor we consider it superior to Golden Bantam. Resistant to wilt. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Golden Bantam. The standard for sweet flavor by which others are judged. Plants 4 feet high, usually bearing two or more ears. When ready for the table the ears are cream-yellow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Whipple's Early Yellow Corn. A very popular second-early variety with ears 7 to 8 inches long, 12- or 14-rowed, with sweet kernels, golden yellow in color. Has stood up well in areas troubled with bacterial wilt. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

S. & W. Co.'s Midget Sweet Corn. A miniature Sweet Corn that is suitable for culture under glass and for gardens of limited area. The tiny plant grows about 30 inches, the ears are only 3 to 4 inches long, but from two to five of them are on a single stalk. Fine quality—the kernels are white, meaty, and very sweet, while the cob is small. Pkt. 25 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Early Mayflower. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Black Mexican. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

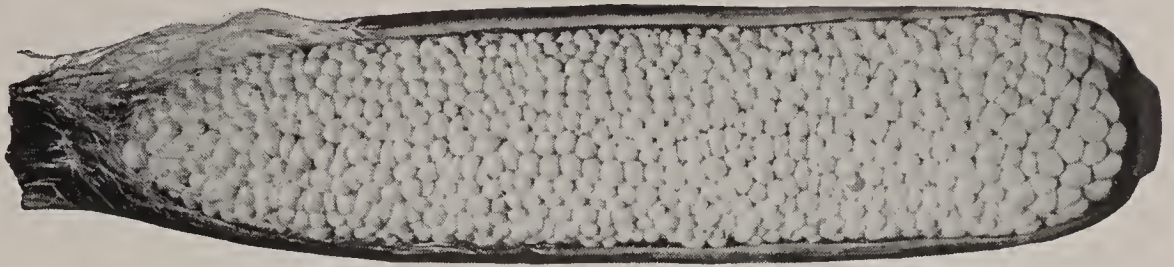
Howling Mob. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Metropolitan. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

White-Cob Cory. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Crosby's Early. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Golden Gem. Earliest golden variety, and the flavor is good. Ears a trifle larger than Golden Bantam. Small plant. Pkt. 10 cts., $\frac{1}{2}$ lb. 45 cts., lb. 85 cts., 2 lbs. \$1.50.



Golden Colonel Sweet Corn

Late Sorts

Yield in 13 to 15 weeks from planting

**ALL-AMERICA
WINNER, 1936**

Golden Colonel. A hybrid which has the unsurpassed flavor and rich yellow color of Golden Bantam, along with the shoepeg grains, large zig-zag ear, and eight-foot stature of Country Gentleman. Pkt. 20 cts., $\frac{1}{2}$ lb. 50 cts., lb. 85 cts., 2 lbs. \$1.65, 5 lbs. \$3.75.

Country Gentleman. Retains its delicate flavor even when a little old. The ear is large, cob is small, and the pearly white kernels of great depth. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Stowell's Evergreen. The ears are of large size, grains deep, exceptionally tender and sugary. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

Long Island Beauty. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 5 lbs. \$1.65, 15 lbs. \$4.

ENDIVE

One ounce will plant 200 feet of drill.
Gather about 13 weeks after sowing

CULTURE. Sow seed from middle of June till last of August. When the plants are fully grown, tie the outside leaves over the heart, to blanch it; this will take a week. Do not tie the leaves when wet.

Green Curled Rose-ribbed. (Self-blanching.) Quicker to mature and more upright in growth than the ordinary type. Grown 6 inches apart, in good, rich soil, the plants quickly crowd so that they blanch. Pkt. 15c., oz. 35c., $\frac{1}{4}$ lb. 95c., lb. \$2.25.

Green Curled. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

White Curled. A variety which blanches readily and is very tender. Similar to Green Curled, but the leaves are naturally of a light golden tint. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Broad-leaved Batavian (Escarolle). The leaves are broad and thick, more or less twisted and waved, and are of a bright deep green. They are larger and more fleshy than the preceding sorts. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Full-hearted. A newer variety of fine quality, closely resembling Broad-leaved (Escarolle), on which it is an improvement, but the head is more compact and full; it blanches easily. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

FRENCH ENDIVE. See Chicory.

HORSE-RADISH

Roots. Will produce good Horse-radish in one season. Plant in rich soil so that the top of the root will be 2 inches underground. 25 cts. per doz., \$1.50 per 100. Purchaser pays transportation on Horse-radish roots beyond 50 miles of New York.

EGGPLANT

One ounce will produce about 1000 plants.
Yield in about 11 weeks after planting out

CULTURE. Sow during March indoors; transplant into the garden when settled fine weather has arrived. The plants should stand 2 feet apart.

New York Improved Spineless. The fruits are large, round-oval, of a rich deep purple-black color and splendid quality. Stems and calyx are free from spines. The large fruits are produced continuously and freely—sometimes 10 to a plant. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Long Purple. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Black Beauty. Much on the style of New York, but is darker, broader and thicker. Pkt. 15c., $\frac{1}{2}$ oz. 45c., oz. 85c., $\frac{1}{4}$ lb. \$2.50.

Japanese. The fruits are smaller than those of standard varieties, but the variety is earlier and very prolific. Color dark purple; very thin-skinned; flavor and texture are superior. Pkt. 20 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

GARLIC. See under Onion Sets.

KALE

One ounce will produce about 3000 plants.
Ready to cut in about 10 weeks

CULTURE. Sow in May, June, or July in shallow drills; when large enough, transplant singly into rows, allowing 24 inches between the plants.

Silverheart. The most delicious of the autumn "greens." It is a tall Kale, the top leaves of which turn to a creamy white after first frosts; this enhances the fine flavor and tenderness. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.25.

Dwarf Green Curled Scotch. Is at its best after frosty weather has set in. The leaves are curled like fine parsley. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Siberian Kale or Sprouts. Not so densely curled, but very hardy and yields a heavy bulk of produce. Known as "German greens." Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Dwarf Brown Kale. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

KOHLRABI

One ounce will plant about 200 feet of drill.
Ready in from 8 to 9 weeks

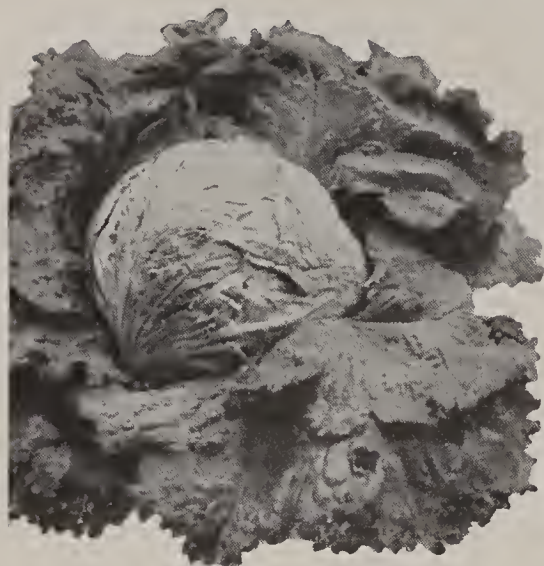
CULTURE. Sow in spring in rows 18 inches apart, and thin away the plants to 6 inches.

Earliest Selected. Very refined flavor. The leaves are few and small, so this Kohlrabi may be used for forcing, as well as for outside planting where but little room is available. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Early White Vienna. The earliest and best for either market or family use. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.25.

Early Purple Vienna. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$2.50.

Give Lettuce Plenty of Garden Space, Rich Land, and Hoe It Continually



New York Lettuce

LETTUCE

One ounce will plant 150 feet of drill.
Seeds grow in from 11 to 12 weeks

CULTURE. About the middle of March sow in the hotbed. When seedlings are about 2 inches tall, transplant them to a coldframe. By May 1, set out in the garden, 1 foot apart in the row, with a 2-foot path between the rows. These plants should give you well-developed heads by Decoration Day.

As soon as the ground can be worked outdoors, sow any of the early sorts. Thin the seedlings to stand 4 inches apart in the row. Later remove every other one and do this again until the plants finally stand 16 inches apart. Then hoe between the plants as well, in order to secure good heads. After the middle of May, do not sow seeds of early kinds, but select sorts like All-Seasons and New York. Make repeated sowings to have Lettuce always available. In August sow Thanksgiving Day Lettuce.

Loose-leaved Lettuces

Early Curled Simpson. Splendid curly-leaved sort. Seed sown in the coldframe about the middle of March and transplanted about the middle of April will supply the table in May and June. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Grand Rapids. There is no better forcing variety than Grand Rapids, and it is quite as good for outdoor culture. Large, beautiful leaves; crisp and tender. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Black-seeded Simpson. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Heading Lettuces

Wonder of Stuttgart. A large-heading variety of the White Boston type. Resists heat well. Heart buttery yellow and of very high quality. You will find this variety at least 50% larger than other Boston types. We offer the originator's seed. Pkt. 25 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1.

Big Boston. (White seed.) As an early spring variety it is reliable, and it is suitable for autumn growing also, but it does not do well as a summer Lettuce. The heads are large, and fine-flavored. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Black-seeded Big Boston. The plants are of a uniformly darker shade of green, grow more compactly, and stand several days longer before running to seed. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

New York or Wonderful. (No. 12 Strain.) An enormous sort of wonderful quality. The outer leaves are gray-green, with a large, crisp, very solid white heart. Frequently shipped as *Iceberg*, but the true *Iceberg* (see following) is lighter in color, slightly smaller and yellowish green. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.75.

LETTUCE, continued

Iceberg (California Simpson). A splendid, crisp-head sort. Has strong center ribs, which bend toward the heart of the plant, keeping it thoroughly blanched. Repeated sowing from early May, of Iceberg and later of Unrivalled Summer, at intervals of three weeks, supply the table well up to September 1. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Unrivalled Summer. Quick-growing sort which forms large heads similar to Big Boston but lighter in color. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

All-Seasons. This is a splendid black-seeded sort; a good heat-resister. If sown early in May will produce fine, buttery Lettuce in July. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

May King. Unquestionably one of the best all-round, early, outdoor Lettuces, forming solid heads of bright green, the edges of the center leaves tinged brown; the heart is yellow and of ideal flavor. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Mignonette. A curled heading Lettuce of medium size, very solid, compact, and hard. It is brown in color, with a white heart. Resistant to heat. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Salamander Perfected. Also called Black-seeded Tennisball. An excellent summer variety. Grows to large size, with tightly folded leaves covering the center, which blanches a light golden. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Thanksgiving Day. A fine-flavored Lettuce for sowing in summer to produce a late crop. Outer leaves are brown and fringed, but the firm, solid head is bright gold-green. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

Tom Thumb. For indoor culture. The small, firm heads are of excellent quality, while the leaves are dark green and very crumpled. Outdoors it is suitable for spring and fall. Pkt. 15 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Wayahead. Large and fine; bright green with large yellow heart. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

California Cream Butter. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Golden Queen. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Hanson Improved. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Cos or Romaine Lettuce

Upright-growing type. When about a week short of maturity, it is usual to draw the outer leaves together and tie them, blanching the inner heart and greatly enhancing its noted crispness and fine flavor; largely unnecessary with self-closing varieties.

Giant White Cos. Although this fine Cos Lettuce attains a large size, the immense heart is crisp, tender, and excellent; self-closing. Pkt. 25 cts., $\frac{1}{2}$ oz. 50 cts., oz. 85c.

Dark Green Cos. A new mammoth sort, self-closing, resistant to cold, and slow to bolt during hot weather. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Paris White Cos or Romaine. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

Trianon Self-closing Cos. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

MARTYNIA

Handsome plant which may be used to advantage in the flower garden. The lilac-purple flowers are followed by curved seed-pods. These are pickled. Sow when frost is over and transplant to stand 3 feet apart. Pkt. 15 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.65, lb. \$4.25.

LEEK

One ounce will plant about 100 feet of drill.
About 15 weeks from seeding to edible stage

CULTURE. Sow seed in early spring outdoors. When plants are about 6 inches long, transplant them to trenches 6 inches deep, in rich soil. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large Leeks blanched a half foot long, which may be kept all winter if dug up with the roots on and stored in sand in the cellar.

S. & W. Co.'s Exhibition. Preferred by prominent exhibitors in vegetable competitions. Pkt. 25 cts., 5 pkts. \$1.

Elephant. A new, giant, extra-long and extra-thick Leek that you will probably find larger in diameter than any sort you have previously grown. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Large American Flag. A large-growing type. On account of its dependability and ease of culture, is widely used for both family and market. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

Musselburgh. A hardy winter variety. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.

MUSHROOMS

Cultural pamphlet free on request. In addition to the orthodox methods of growing Mushrooms, Spawn may be plugged into the lawn, and a crop of Mushrooms may be expected in autumn.

Brick Spawn, American Pure Culture

Ten bricks will spawn 100 square feet (10 x 10 ft.)

Spores have been selected from specimen Mushrooms and transferred to bricks of compressed manure and loam. Break the brick into pieces the size of a walnut and plant 1 foot apart each way.

Per Brick (about $1\frac{1}{2}$ lbs.), 35 cts.

Per 10 Bricks, \$3.25.

Per 25 Bricks, \$7.

Per 100 Bricks, \$25.

Bottle Spawn. The spores are propagated in sterile bottles, the Spawn removed, dried, and packed in cartons. Excluded from the Spawn are the spores of other fungous growths. One quart will spawn 35 square feet. Qt. \$1.25, 6 qts. \$6.50, 12 qts. \$12.

MUSTARD

One ounce will plant 75 feet of drill

CULTURE. Sow frequently through the spring, in drills from 8 to 12 inches apart. The first two varieties are used for boiled "greens"; White London for sandwich material.

Fordhook Fancy. A variety with crested and cut leaves, and having a feathered appearance. Served as spinach, the flavor is inviting, while the plant possesses healthful tonic properties. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Giant Southern Curled. The plant grows 3 feet tall, and the broad, succulent leaves are cut and frilled. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.

White London Mustard. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Mustard Spinach. See page 59. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.25.

All our packets bear directions for growing the seeds contained in them—clearly written and up-to-date.

MUSKMELONS

One ounce will plant about 80 hills.
Yield in from 12 to 14 weeks

CULTURE. Sow the seed in April under Hotkaps, and in the open air in May in hills 6 feet apart each way. Use in each hill from 8 to 10 seeds. When the plants have produced their rough leaves, thin out to three plants per hill. As soon as the plants make their appearance above ground, dust them with Hortex or similar material.

Golden or Orange-fleshed

Bender's Surprise. An almost round melon of medium size, with very thick, sweet, pink flesh of luscious, melting quality. The dark green, heavily netted skin ripens to an attractive gold. Pkt. 10 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.

Banana. Narrow, curved, and as much as 30 inches in length. The flesh is a deep salmon, sweet, and of good quality. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Selected Emerald Gem. The skin is a rich deep green, and smooth; flesh salmon color and of delicious flavor. A very early and prolific variety. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Hearts of Gold or Improved Hoodoo. A new orange-fleshed variety, ideal as a shipping melon and of the very finest quality. Flesh very thick, firm, of fine texture and delicious flavor. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 75 cts., lb. \$1.75.

Supreme. Its color is a deep emerald-green outside, with more or less netting; the flesh is a fine deep salmon, with a rich, delicious flavor. Pkt. 25 cts., 5 pkts. \$1.

Tip-Top. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Paul Rose. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Golden Delicious. Golden! Delicious! Its remarkable speed from seeding to yield is also one of its qualities. Pkt. 15 cts., oz. 40 cts., 1/4 lb. \$1, lb. \$2.50.

Green-fleshed

Rocky Ford. The fruits weigh from 1 1/4 to 1 1/2 pounds each. Thick meat, green in color, fine in flavor, with thin rind; skin light green, ribbed and heavily netted, ripening to a golden yellow. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 60 cts., lb. \$1.50.

"10/25" Salmon Tint. The fruit is heavily and evenly netted, very uniform in size, rust-resisting, and early; the flesh is a rich gold in the center, shading out to emerald-green near the rind. Pkt. 15 cts., oz. 35 cts., 1/4 lb. 95 cts., lb. \$2.50.

Honeydew. This variety, with its clear light yellow skin, is to be seen in the best markets. The flesh is green, very thick, and, unlike some melons, it ripens uniformly to the rind. Pkt. 15 cts., oz. 35 cts., 1/4 lb. 85 cts., lb. \$2.25.

Early Hackensack. Pkt. 10 cts., oz. 25 cts., 1/4 lb. 65 cts., lb. \$1.75.

Cassaba. They are true winter melons. Pkt. 15 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$3.50.

Forcing Melons

Golden Beauty. A remarkably fine early melon. Skin bright yellow, beautifully netted; flesh deep, rich salmon color, of delicious flavor. Pkt. 50 cts.

King George. Handsomely netted, it is a splendid sort for growing under glass. The flesh is red and very thick, with a small seed cavity. Pkt. 50 cts.

Royal Jubilee. A splendid, oval, green-fleshed melon, raised at the Royal Gardens, Windsor. Skin almost white, handsomely netted. Pkt. 50 cts.

ONION

One ounce will plant 100 feet of drill;
5 to 6 pounds, an acre. Takes 14 to 15 weeks from seed to maturity.

CULTURE. The largest Onions are produced by sowing the seed in a hotbed early in January or February and transplanting seedlings to the open ground 6 inches apart. For the main supply, sow in rich, sandy soil, in drills 1 foot apart, as early as possible in the spring, cover with fine soil and firm well, either with roller or back of spade. When plants are strong enough, thin out to 3 to 4 inches.

Mild White Varieties

S. & W. Co.'s Southport White Globe. Produces handsome and uniformly globe-shaped bulbs. The flesh is firm, fine-grained and of mild flavor. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

White Portugal or Silverskin. A mild-flavored variety, used extensively for pickles. The Onions are tender and altogether fine. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

White Pickling. When mature, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling or table use. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

White Bunching. For spring Onions, pulling Onions or "Scallions." Use them when the thickness of a lead pencil, and they will be found deliciously mild and sweet—healthful, too. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

Leading Yellow Kinds

S. & W. Co.'s Southport Yellow Globe. The enormous quantities of this Onion annually sent to market prove its popularity. It has large and uniformly spherical bulbs with very small necks. The largest diameter is below the center of the bulb. The color is a rich orange-yellow. Keeps splendidly. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Yellow Globe Danvers. A splendid keeper, producing well-rounded bulbs about 2 1/2 inches in diameter; skin light golden yellow; flesh white, crisp, and mild in flavor. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.50.

Ebenezer or Japanese. A dark yellow variety often used for Onion sets. Bulbs are deep, flat, of medium size, very firm, with a thick skin. Early and of good keeping quality. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Ideal Yellow Globe. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.

Extra Large-growing Kinds

S. & W. Co.'s Selected Ailsa Craig. This Onion is one of the largest grown. It is a very handsome, oval-shaped variety with pale straw-colored skin. For exhibition it is unexcelled, and to attain its largest size it should be sown in January and transplanted. Keeps well and has a mild flavor. Pkt. 15c., oz. 65c., 1/4 lb. \$1.75, lb. \$5.

Ailsa Craig. Originator's stock grown in England. Pkt. 50 cts.

Prizetaker. Uniform in shape and of immense size. Under special cultivation bulbs have been raised to weigh from 2 to 3 pounds each. Pkt. 10 cts., oz. 45 cts., 1/4 lb. \$1.25, lb. \$4.

Gigantic Gibraltar. Recommended for exhibition. Although large in size, is a splendid keeper and decidedly mild. In exceptional cases specimens have weighed 3 1/2 pounds. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.



Gigantic Gibraltar Onion

Riverside Sweet. The largest, sweetest, best-keeping, and most uniform of the Spanish Onions. Globular in shape, with golden yellow skin and white flesh; the strain we are offering is very mild. A favorite in sections with long seasons and rich soil, where it will do well. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.50, lb. \$4.50.

Long-keeping Red Onions

S. & W. Co.'s Southport Red Globe. This variety has a deep red skin and is almost a perfect globe. Size large, flesh fine-grained, mild and tender. Pkt. 10 cts., oz. 40 cts., 1/4 lb. \$1.10, lb. \$3.25.

Large Red Wethersfield. This is the standard red variety, and a favorite wherever Onions are grown for shipment. Bulb large, somewhat flattened, skin deep purple-red; flesh purplish white, moderately fine-grained, and with a strong flavor. The best keeper, and one of the most popular for general cultivation. Pkt. 10 cts., oz. 35 cts., 1/4 lb. \$1, lb. \$3.

Bermuda Onions

These are large, flat, quick-growing types, with a pleasant, mild flavor.

Red Bermuda. Pkt. 15 cts., oz. 65 cts., 1/4 lb. \$1.75, lb. \$5.

Crystal Wax. Pkt. 15 cts., oz. 65 cts., 1/4 lb. \$1.75, lb. \$5.

Onion Sets

Sets will produce green, bunch or full-grown Onions much quicker than will seed. Multipliers and Potato Onions divide and increase in the soil. Egyptian Onions are autumn-planted hardy perennials, yielding green pulling Onions every spring.

	Ot.	1/2pk.	Pk.
White Onion Sets.....	\$0 45	\$1 50	\$2 50
Yellow Onion Sets....	40	1 25	2 25
Yellow Ebenezer or Japanese.....	45	1 50	2 50
Red Onion Sets.....	40	1 25	2 25
White Multiplier Onions.....	55	1 75	3 00
Egyptian Top Onions.			
Orders booked for delivery in fall.....	40	1 25	2 25
Garlic Sets. Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.25.			
Potato Onion Sets (True Potato). Lb. 50 cts., 5 lbs. \$2.25, 10 lbs. \$4.25.			

Sow Peas Very Early in Spring for Best Results

OKRA or GUMBO

One ounce will plant about 100 feet of drill

CULTURE. Sow when the weather is warm and settled, in drills 1 inch deep and 3 feet apart; thin to 12 inches.

Dwarf Green. A very prolific sort. The short, deep green, corrugated pods are of fine quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Lady Finger. Similar to Kleckley's Favorite. Very productive; extra-long, slender rounded pods. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Long Green. Long ribbed pods; very productive. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 90 cts.

White Velvet. Pods are round, smooth and white; superior flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

PARSLEY

One ounce will plant about 150 feet of drill

CULTURE. Sow early in the spring in drills 1 foot apart and $\frac{1}{2}$ inch deep. Thin out the young plants to 4 inches. Hamburg Parsley should be treated the same as carrots.

Kitchen Pride. A new variety, for garnishing. It is the finest curled of all; the leaves are densely cut, much like the Fern-leaved types, but more compact; deep green color. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Champion Moss Curled. A particularly beautiful type. A bed of this has the appearance of fine moss. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Extra Double Curled. A market variety. The leaf is finely cut, curled and vivid green. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Exhibition Curled. Remarkable for its extra-fine leaves and its dense habit of growth. Our seed has been saved from plants of exhibition calibre. Pkt. 25 cts., 5 pkts. \$1.

Fern-leaved. This is a distinct variety. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Plain. Known widely as Italian Parsley. Used for flavoring. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Hamburg or Rooted. The roots of this type resemble parsnips. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

PARSNIP

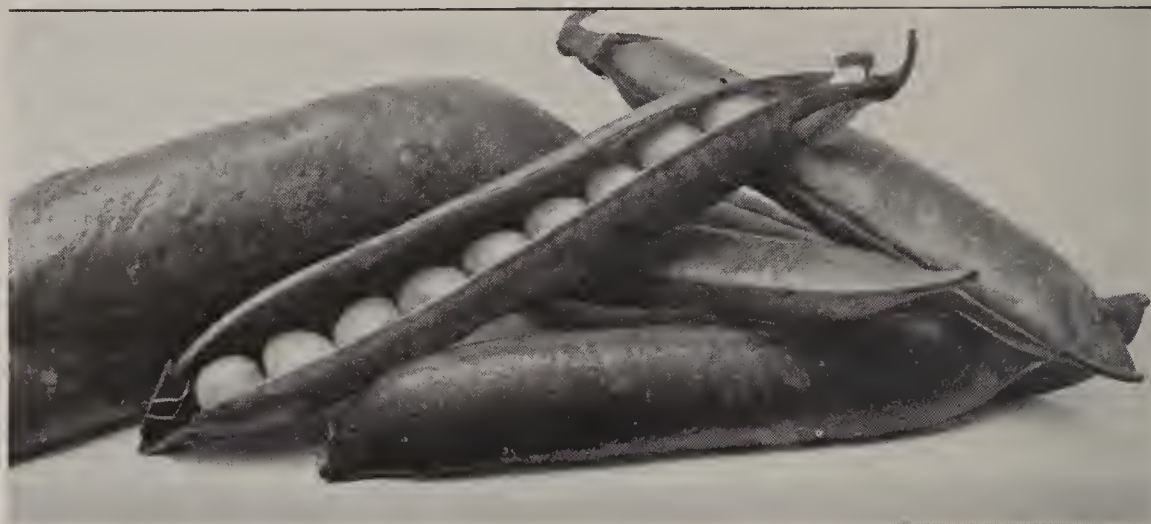
One ounce will plant about 200 feet of drill; 5 to 6 lbs., an acre. Takes 16 weeks from seed to maturity.

CULTURE. Sow as early in spring as the ground can be worked, in drills 18 inches apart. The quality of the roots is improved after frost; they may be allowed to remain in the ground all winter.

Improved Hollow-Crown. A great improvement over the old-time Hollow-Crown variety; clean, well shaped and smooth. Excellent for table or exhibition. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 55c., lb. \$1.25.

New Intermediate. The root is somewhat flattened and top-shaped, about 6 inches long and 4 inches across the thickest part. It matures quickly and is therefore suitable for sowing as a second crop, following spinach or lettuce; or if put in when long Parsnips are sown, may be pulled soon after midsummer. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Selected Exhibition. Produces roots several feet in length and ending in a fine whip-thong. The surface is smooth and white. The flavor is mild and sweet. Pkt. 25 cts., 5 pkts. \$1.



Admiral Beatty Peas

GREEN PEAS

One pound (equal to about 1 pint) will plant 100 feet of drill.

CULTURE. Sow round, smooth-seeded sorts as early in the spring as practicable, and the superior-flavored wrinkled Marrow varieties two weeks later. Use several kinds at each seeding to insure as long a productive season as possible. Use single or double rows 4 feet apart and cover 2 inches. Sorts growing over 1 $\frac{1}{2}$ feet need the support of brush or wire. Varieties marked * are wrinkled Marrows.

Early Smooth-Seeded Sorts

Early Bird. Combines the hardness of the round-seeded types with the quality of the wrinkled Marrowfats. The plant grows 4 feet high. Throughout its height it bears profusely 4-inch pods closely packed with Peas of fine flavor. Yields in 9 weeks from seeding. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Eight Weeks. A remarkable dwarf super-first-early round-seeded Pea. 1 $\frac{1}{2}$ feet high. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

First of All or Pedigree Extra-Early. A splendid cropper. Peas very tender, of good flavor and carried in long, tightly filled pods. Sixty days from planting to picking. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Market Surprise. Vines 3 feet tall, bear 3 $\frac{1}{2}$ -inch pods in great quantities, within 60 days from sowing. A round-seeded sort of truly remarkable sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

Early Wrinkled Sorts

***Gradus or Prosperity.** One of the standard sorts. Vines have light green leaves, and grow about 3 feet high. Pods uniformly large, 4 to 4 $\frac{1}{2}$ inches in length, well filled and handsome. Very early, and the Peas are of fine flavor. Sixty-five days from seed to picking. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***Laxtonian.** The large pods are filled with large, luscious Peas. It is ready for use about a week later than the very early sorts. The plant grows about 1 $\frac{1}{2}$ feet high, and is of a rich dark green color. 62 days. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Laxton's Progress.** The pods are 4 inches long and are filled with eight large, melting, sweet Peas. The plant grows 1 $\frac{1}{2}$ feet high. 60 days. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Little Marvel.** Eighteen inches high, heavily set with fine pods, usually in pairs. Pods are 3 $\frac{1}{2}$ inches in length, square at bottom, filled with large, deep green Peas. 62 days. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Sawco Market.** One of the finest early midseason garden Peas. Vines robust, growing from 2 to 2 $\frac{1}{2}$ feet high, bushy, with dark green leaves. Pods filled with 8 to 11 Peas of delightful flavor. Unusually productive. The originator received the Award of Merit from the British Royal Horticultural Society for this Pea. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

***Sutton's Excelsior.** Dwarf and very productive. Ready for picking just after Little Marvel. 1 $\frac{1}{2}$ ft. Matures in 63 days. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***Thomas Laxton.** The Peas are of extra-fine quality, tender and of a flavor not excelled by any other. It grows about 3 feet in height. Ready for picking at the same time as Sutton's Excelsior. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***World's Record.** An improved Gradus, maintaining the high yield and flavor of that variety, but somewhat earlier and showing even a higher yield. Yields in 61 days. $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Main-Crop Sorts

***Admiral Beatty.** It is 3 $\frac{1}{2}$ feet high, and the Peas are wrinkled; their cooking quality is excellent. The pods are long and pointed, contain nine or ten Peas, and are produced abundantly. Bears in eleven weeks from seeding. Pkt. 15 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Alderman.** On generous soils it grows to a height of 5 to 6 feet. The pods contain seven large, elongated, dark green Peas of the highest quality. Eleven weeks from planting to picking. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***Boston Unrivalled or Telephone.** A fine tall late variety. The yield of pods is good and they are uniformly well filled. 5 ft. Twelve weeks from seed to harvest. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

***Delicious.** The dark green, stocky, vigorous vines are only 2 feet high, covered with an abundance of large, long, tightly filled pods; in them are as many as 9 or 10 big, sweetly melting, delicious Peas. Crop may be gathered about 75 days after seeding. $\frac{1}{2}$ lb. 30c., lb. 55c., 2 lbs. \$1, 5 lbs. \$2.25.

Scientists Report That Peppers Furnish Vitamins to a Marked Degree

MAIN-CROP PEAS, continued

***Potlach.** The best dwarf, extremely late Pea. Healthy bluish green vines, bearing loads of deep green pods. A continuous bearer from July 1 to 15 in most seasons. 2 ft.; takes 13 weeks in which to grow. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

***Quite Content.** One of the largest-podded Peas in existence. This variety is preferred by many growers to Alderman on account of its size. 5 ft. $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2, 15 lbs. \$5.

***Sawco Forty.** A dwarf plant which produces pods $5\frac{1}{2}$ to $6\frac{1}{2}$ inches long. At a flower show where pods of this variety were being exhibited, a wit placed a sign above them reading, "These are Peas, not Bananas." Their cooking quality is of the best. 75 days from sowing to harvest. $\frac{1}{2}$ lb. 30 cts., lb. 55 cts., 2 lbs. \$1, 5 lbs. \$2.25.

Champion of England. $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 15 lbs. \$4.25.

Edible-Podded Sugar Peas

Used in the same manner as wax beans

Luscious Melting Sugar. Large, broad pods, which are so brittle that they snap with no string. 5 ft. Ten weeks from seed to yield. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

Very Dwarf White Sugar. Height $1\frac{1}{2}$ ft. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 85 cts., 5 lbs. \$2, 15 lbs. \$4.50.

PEANUTS

CULTURE. These require similar soil conditions to garden corn. Remove the outer shell without injuring the kernels, and sow the latter in drills $2\frac{1}{2}$ feet apart and $1\frac{1}{2}$ inches deep. Allow 9 inches between one "nut" and the next in the row.

Improved Spanish. Though small, this is a quick-growing sort and is suitable for northern gardens. Pkt. 10 cts., lb. 45 cts.

California Long Red. Larger than the above but slower to mature. Plant this variety south of the latitude of New York. Pkt. 10 cts., lb. 45 cts.

PEPPER

One ounce will produce about 1000 plants. Picking commences 9 to 12 weeks after setting out plants

CULTURE. Peppers should not be planted out until settled warm weather has arrived. The seed may be sown in a hotbed, coldframe, or a box in a sunny window; transplant into rows 20 inches apart each way, and keep the soil clean and well stirred. Productiveness may be increased by pinching the first or "king" blossoms which appear.

Splendid Sweet Peppers

World Beater. One of the largest and most handsome Peppers. It produces its fruit as early as Ruby King and it is similar in shape, while it has the fine flavor and large size of Chinese Giant. The fruits are $3\frac{1}{2}$ inches in diameter by 5 inches long, four lobed, and the flesh is very thick, mild, and sweet. Excellent for the private estate, the amateur, and the commercial grower. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Perfection Pimiento. The meat is 2 or 3 times as thick as that of the Bell types. The quality is very sweet and delicious and entirely free from pungency. In color, when ripe, it is a beautiful scarlet-red. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.



World Beater Pepper

Chinese Giant. This is the standard large sweet Pepper. It is quite early to ripen and very productive for so large a variety. The fruits are 4 to 5 inches broad at the top, and of equal length. The flesh is mild and unusually thick. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

California Wonder. The thickest flesh, and is one of the sweetest. Its scarlet fruits are tremendous, sometimes measuring 6 inches deep and 6 inches through. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Golden Dawn. A yellow sweet Pepper of excellent table quality. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Large Bell or Bull Nose. A large, early variety of pleasant flavor, though mild. This is the variety for green stuffed Peppers. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Neapolitan (Jersey Sweet; White Cap). Very early and an extraordinary yielder. Its fruits grow upward, not pendent. They are bright red, sweet, fine, and tender. Commercial growers favor this Pepper. Pkt. 10c., $\frac{1}{2}$ oz. 40c., oz. 70c., $\frac{1}{4}$ lb. \$2.

Ruby King. Fruits are $4\frac{1}{2}$ to 6 inches long, $3\frac{1}{2}$ inches thick, and bright red. Used largely for pickles, and is equally suitable for slicing. The flavor of the fruits is mild and pleasant, with just a slight suspicion of piquancy. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts., $\frac{1}{4}$ lb. \$2.

Sunnybrook Cheese. A very prolific and popular canning variety. Fruits average 3 inches in diameter and 2 inches deep. The skin is smooth and of deep scarlet color and the flesh is thick and sweet. Pkt. 10 cts., $\frac{1}{2}$ oz. 45 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.25.

Anaheim Chili. A long type that is classed as a sweet Pepper; it has just enough pungency to make it delicious. Fruits are 7 ins. long with a diameter of 1 in. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Hot Peppers

Long Red Cayenne. Fruits about 4 inches long and 1 inch thick, bright red in color; very prolific; very hot. Used for pickling, both green and ripe. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

Tobasco. For the market and for making the well-known Tobasco sauce. A small and very pungent type. Pkt. 15 cts., $\frac{1}{2}$ oz. 50 cts., oz. 90 cts., $\frac{1}{4}$ lb. \$2.50.

SEED POTATOES

CULTURE. The best soil is a well-drained fibrous loam. Before planting, work in Sawco General Fertilizer at the rate of 1000 pounds to the acre if applied broadcast, or 500 pounds if applied in the rows. Plant good-sized pieces, each containing not less than two eyes, $1\frac{1}{2}$ feet from piece to piece in 3-foot rows.

About 11 bushels or 4 barrels will plant an acre. A barrel contains $2\frac{1}{2}$ bushels (150 pounds).

Semesan Bel. It controls diseases of seed potatoes, producing sprouts of healthy vigor, from which grow increased yields of clean, healthy plants and tubers. 4 ozs. 50 cts., lb. \$1.75, 5 lbs. \$8, 25 lbs. \$31.25.

Party Potatoes

Mandel Variety. The tubers are about 2 inches long; they are planted whole, without cutting, and each plant may be expected to produce a crop of 30 or 40 of these small Potatoes. When cooked whole in their jackets, skinned and served whole, they are firm and of excellent flavor. Lb. 75 cts., 5 lbs. \$2.50.

Standard Early Potatoes

Mature in 8 to 10 weeks

Early White Albino. A good cropper. The skin and flesh are pure white, of good cooking quality, and very prolific. One of the best early varieties to withstand blight and disease. Keeps well. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, bbl. \$8.

Irish Cobbler. Does well on a wide range of soils; very productive. The skin is creamy white, sometimes netted; eyes are strong, well developed, and but slightly indented. The flesh is white and of fine quality. $\frac{1}{2}$ pk. 65 cts., pk. \$1, $\frac{1}{2}$ bus. \$1.85, bus. \$3.50, bbl. \$7.

Early Rose. (Selected.) A pink-skinned variety which is grown extensively in some sections. A Potato of good size and fine quality. $\frac{1}{2}$ pk. 75 cts., pk. \$1.15, $\frac{1}{2}$ bus. \$2, bus. \$3.75, bbl. \$8.

Best Main-Crop Potatoes

Mature in 12 to 14 weeks

Russet. The haulm is dark green; very resistant to blight. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white, and the skin has a roughened russet appearance. $\frac{1}{2}$ pk. 65 cts., pk. \$1, $\frac{1}{2}$ bus. \$1.85, bus. \$3.50, bbl. \$7.

Gold Coin. A variety of remarkable productiveness and fine table quality; slightly oblong form; light golden skin; flesh pure white, fine-grained; cooks very dry. $\frac{1}{2}$ pk. 65 cts., pk. \$1, $\frac{1}{2}$ bus. \$1.85, bus. \$3.50, bbl. \$7.

Green Mountain. A late, heavy cropper of excellent quality; skin smooth and white; shape roundish flat; eyes few and shallow; a good keeper. $\frac{1}{2}$ pk. 65 cts., pk. \$1, $\frac{1}{2}$ bus. \$1.85, bus. \$3.50, bbl. \$7.

Purchaser pays transportation on Seed Potatoes beyond 50 miles of New York

Sweet Potato Plants

Ready in June

Red Yellow

Each, \$1 per 100, \$7.50 per 1000

We do not ship Sweet Potatoes beyond 50 miles

Sow Radishes All Year and Have a Constant Supply on the Table

PUMPKINS

One ounce will plant 50 hills.
Fruits are ripe 15 to 17 weeks
after sowing seed.

CULTURE. Plant in April or May, among corn, or in the garden, in hills 8 to 10 feet apart, and otherwise treat in the same manner as melons.

Large Cheese. Fruit flattened, the diameter being three times more than the thickness; skin mottled light green and yellow, changing to rich cream-color as it matures; flesh excellent quality. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Sweet or Sugar (New England Pie). The fruits are medium to small in size, of a bright orange color, and in shape are round, flattened at the ends. The flesh is of remarkably good cooking quality, very thick, and deep yellow. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Winter Luxury. Best pie Pumpkin; productive; keeps well. Finely netted and russet in color. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Connecticut Field. Large, flat-round, deep orange fruits. Good for pies; also largely grown for stock feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

King of the Mammoths. Recommended where size is the chief consideration—200 pounds or more being not an unusual weight for a single specimen. The fruit is flat-round; the skin is yellow, as also is the thick flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Mammoth Tours. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

RADISHES

One ounce will plant about 100 feet of drill

CULTURE. As early in the spring as the ground can be worked, sow sparingly any of the round or olive-shaped varieties, allowing 1 to 1½ feet between the rows. Thin to 1 inch apart (summer and winter sorts need 4-inch spacing). Hoe frequently. The round and olive-shaped sorts serve until June 15, when Icicle and Cincinnati Market are at their best. Summer sorts are good until frost from repeated sowings. Winter varieties should be sown about July 1, and may be pulled after light frosts and stored through winter.

The round and olive types are suitable for forcing in a hotbed during winter or in coldframes.

Round and Olive-shaped

Ready in about 25 days

Glowing Ball. Received the highest award of the 1934 All-America Seed Selections. A splendid forcer, with small tops; also a good outdoor variety. Has a scarlet-red color, suffused with orange. Shape perfectly round; flesh crisp; mild flavor. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Early Scarlet Turnip. Within 15 days from date of sowing it perfects handsome, flat-round roots, $\frac{3}{4}$ inch in diameter by $\frac{1}{2}$ inch deep through. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.10.

Sparkler. Of rich carmine-scarlet color, with a pronounced white tip. The roots are solid, crisp, and sweet. It is equally well adapted for forcing or growing in the open ground. While the leaves are small, they are sufficiently large for bunching. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Early Scarlet Globe. The best general-purpose variety in this class, perfecting handsome round-oval roots, in from 28 to 35 days after sowing. Brilliant in color, short-leaved, crisp and white; an excellent variety for forcing. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.



Scarlet Globe Radishes

White Box. A globe-shaped sort, slightly flattened, with white skin and crisp flesh. Remains in fine table condition until quite large. Ready in from 35 to 40 days. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

French Breakfast. The olive-shaped counterpart of Sparkler. Flavor mild and flesh crisp. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Early Long Sorts

Ready in about 30 days

White Icicle. A good Radish for all purposes in the home-garden; also fine for market or growing under glass. Within 30 days from sowing, the roots attain a length of 4 to 5 inches, by $\frac{3}{4}$ inch in diameter at the thickest part. The skin is thin, the flesh crisp and mild. Remains for a long period in fine table condition. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Cincinnati Market. Roots 6 to 7 inches long, an inch thick through, are produced 35 days after sowing and they remain in perfect condition for a week or more. Skin rosy scarlet, blending into a white tip. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Summer Varieties

Ready in about 40 days

Long Scarlet Chartier or Shepherd. The color at the top is crimson, running through pink to a white tip. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Golden Yellow Oval. When ready for use, the Radishes have a yellow skin, which should be removed when preparing roots for the table. Flesh pure white, mild, crisp, and solid. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$2.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

Long-keeping Winter Varieties

Ready in about 8 weeks

Sakurajima. Very large Japanese sort; diameter 1 foot and length 21 inches. The skin is white and the flesh is always crisp and tender. Delicate flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Rose China. Bright rose skin; flesh firm and piquant; fine for winter use. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Long Black Spanish. The popular winter sort. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Round Black Spanish. Thick black skin and pure white flesh. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

RHUBARB

CULTURE. Plant the roots in well-manured land, 3 feet apart. Sow seed in spring in drills a foot apart; transplant the following season 3 feet apart. One ounce of seed should produce about 1000 roots.

Rhubarb Roots. 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong clumps, 25 cts. each, \$2.50 per doz., \$20 per 100. Extra-large clumps for forcing in the greenhouse or cellar, 50 cts. each, \$5 per doz., \$35 per 100. Purchaser pays transportation.

Rhubarb Seed. The variety **Victoria** has given good results for many years. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

RUTABAGA. See Turnip.

SALSIFY

Vegetable Oyster

One ounce will sow about 50 feet of drill

CULTURE. Sow early in spring, in drills 12 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots will be ready in October, when a supply should be taken up and stored like carrots.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

SCORZONERA

Black Salsify

One ounce will sow about 50 feet of drill

CULTURE. Cultivate the same as salsify. The roots should be washed, boiled tender, then peeled.

Improved. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

SEA KALE

One ounce will produce about 300 plants

Sow in drills 2 feet apart, thin out to 12 inches. The blanched leaf-stalks are boiled and served with cream sauce; or the roots may be dug and "forced" during winter in the same way as Witloof Chicory. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2.

SWISS CHARD

Spinach Beet

One ounce will plant about 100 feet of drill.
Cutting commences in about 7 weeks

An excellent boiled-leaf vegetable, equal in quality and easier to prepare than spinach. The leaf-stalks may be served as a distinct dish. Sow early in spring in rows and thin to 6 inches.

Mammoth New York. This is a large, distinct sort, medium green in color. The leaves are smooth, and the stalks are milk-white. Breeding has eliminated the earthy flavor common to many Chards. Pkt. 15 cts., $\frac{1}{2}$ oz. 35 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Giant Lucullus. Plants grow to a height of 2 to 2½ feet and the stalks are 1½ inches broad, heavily ribbed, and from 10 to 12 inches long. The large leaves are heavily crumpled. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Green Lyon. A vigorous-growing, stocky type with smooth, deep green leaves and broad, thick, white stalks. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Fordhook. A giant variety with broad, wrinkled, dark green leaves and broad white stems. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$2.

Home-Grown Spinach Is Delicious. Children Love It

SPINACH

One ounce will plant about 100 feet of drill, About 6 weeks elapses between seeding and gathering.

CULTURE. Sow in March or April in drills an inch deep and 14 inches apart; again in August or September. Spinach requires rich soil.

Emerald Standing. A very large and vigorous type of compact, flat, spreading growth. The leaves are large, thick, slightly crumpled, very fleshy, and carried on long stems. The color is a very dark green. The most important point about this Spinach, however, is that it stands fully one month longer than any other variety before bolting to seed. In spite of this, it is quite early to mature. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Blight-Resistant. A strain of Savoy-leaved Spinach which may be grown successfully on soil infected with blight. Since it tends to bolt to flower somewhat freely, we do not advise extensive seedings in warm weather. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

New York Market. This Spinach grows rapidly and produces unusually large, thick, dark green crumpled leaves. In rich land the plants very often measure 2 feet across. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

Savoy-leaved. A variety highly valued alike by market growers and home gardeners. The leaves are wrinkled and crumpled. Yields heavily and is particularly hardy. We offer a special long-standing type. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Large Thick-leaved. Splendid for the market grower. Slow to run to seed; recommended for spring and early fall seedings. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Princess Juliana. Delicious table quality. Also, it stands longer without running to seed than other kinds. Rapid grower; lush, deep green color. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 85 cts.

Victoria Long-Standing. Of low, compact habit; leaves shining dark green and heavily crumpled, forming a dense, flat rosette. Slow to shoot to seed. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Long Season. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Monstrous Viroflay. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 60 cts.

Prickly or Winter. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. 75 cts.

New Zealand Spinach

Ready in about 10 weeks from sowing

The plants grow vigorously, do not run to seed, and withstand drought better than true Spinach. Furnishes a summer supply of "greens." Recommended also for soils too poor to carry Spinach of the usual type.

Sow during May, in drills which should be at least 2 feet apart, as the plants spread rapidly. Thin to 9 inches between plants in the row. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

Perpetual Spinach

The seed of this desirable plant may be sown any time from April to June, and in six weeks cutting may commence, to continue right through into fall. The "greens" furnished are similar in flavor to true Spinach, the leaves being very tender; they are both palatable and healthful. Cut the leaves about 3 inches from the ground. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.



New York Market Spinach

Mustard Spinach

A new boiling vegetable. Very healthful and palatable. Has a pleasant flavor, and many who do not like Spinach will relish it. Cutting begins within a month of sowing seed. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.25.

SQUASH

One ounce of Early Squash will plant about 25 hills

CULTURE. It is not advisable to plant before May 15. Sow in hills 6 feet apart.

Summer Varieties

Ready in about 9 weeks from sowing

Table Queen. A Squash that bakes splendidly and makes excellent pie. One of the earliest to produce, the fruits are the shape of an acorn, 6 inches long by 4 $\frac{1}{2}$ inches in diameter; dark green shell, but the flesh is light yellow and thick. A trailing variety. Pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 80c., lb. \$2.

Long Island White Bush. An improvement on the Old White Scalloped Patty Pan Squash, with less prominent ridges and a thicker, heavier fruit. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Giant Bush Summer Crookneck. The Crookneck class of Squash surpasses in quality most of the summer varieties, and in the Giant Bush we have the delicious buttery flavor of the original sort, but of just double the size. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Straightneck. A golden summer Bush Squash of delicious flavor, selected from the Giant Summer Crookneck, but with a straight neck. Fruits are warted, 18 to 20 inches long. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Golden Custard. Mammoth strain of the Early Yellow Scalloped Bush. Quality excellent. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.

Zucchini. Is served everywhere in southern Europe and has been meeting with favor in this country. Very prolific, tender, and of mild flavor. The fruits should be gathered when they are 6 inches in length, and are prepared like any other Squash, or fried in the same way as eggplant. Pkt. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Fall or Winter Varieties

Ready in from 14 to 15 weeks from sowing

Chicago or Warted Hubbard. A selection of the largest and best rough-skinned specimens. Ideal for the home market. Vines of strong, robust growth; fruits large, heavily warted, splendid shape and dark green; flesh rich and dry. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 80 cts., lb. \$2.25.

FALL OR WINTER SQUASHES, continued

Golden Hubbard. The fruits are of the same shape as the Green Hubbard, but they average one-third less in size. Orange skin; flesh deep gold. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., lb. \$1.75.

Hubbard. Bluish green, occasionally marked with brownish orange. Will keep from September to May. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Boston Marrow. A very popular Squash for fall or winter use. Oval in form; bright orange color; flesh yellow. A splendid keeper and excellent for pies. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Delicious. Noted for its fineness and compactness of grain, dryness, and sweet, rich flavor. Top-shaped fruits weigh from 5 to 10 pounds. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$1.75.

Noodle Squash

Puncture one end of the fruit and cook it for 30 to 40 minutes. Prior to serving, cut it in half, and the flesh will fall out in shreds, suggestive of spaghetti. May be served hot with sauce, salt, and butter, or as a cold dish with vinegar dressing. The mottled green fruits, 8 to 12 inches long, turn yellowish white and resemble the Marrow Squash in appearance. Pkt. 15 cts., oz. 50 cts.

See also PUMPKIN.

SORREL

One ounce will sow about 100 feet of drill

CULTURE. Sow early in the spring in drills 6 to 8 inches apart.

Garden. Used for salads, on account of its pleasant acid flavor; also as a boiled vegetable. Yields for several years. Pkt. 15 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$4.

VEGETABLE MARROW

One ounce will plant 50 hills. Ready in about 8 weeks after sowing.

Occupies an important place in European gardens, and is considered superior by some to Squash. Cultivation is similar to that of Squash, although it is often grown in a few inches of soil placed on a manure-pile. The Marrows are gathered before they ripen. They are peeled, divided, and the seeds are removed; then cut into squares, boiled until tender, and served with cream sauce.

Long Green Trailing. The fruits are about 20 inches in length and 3 to 4 inches in diameter, with dark green skin, marbled with a paler shade. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Long White Trailing. The fruit is similar in shape to the Long Green. The yellowish white skin is smooth and the flesh is remarkably tender. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.

Moore's Cream. An improved small-fruited variety. The fruits are oval, cream-colored, and of a very delicate flavor. Pkt. 15 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$3.50.

Italian Vegetable Marrow (Cocozelle Squash). A non-trailing type producing oblong fruits a foot in length and about 5 inches in diameter, handsomely mottled dark and light green. A great favorite. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.

Mixed Vegetable Marrow. Pkt. 15 cts., oz. 35 cts., $\frac{1}{4}$ lb. 95 cts., lb. \$2.50.

Have You Ever Grown Small-Fruited Tomatoes?—Decorative and Delicious



Marglobe Tomato

TOMATOES

One ounce will produce about 1000 plants. They yield in from 9 to 13 weeks after setting out plants, the time largely depending on the variety.

CULTURE. Seed may be sown sparingly in a hot-bed, greenhouse, or in the home from the second week in February to the end of April. When the plants are about 2 inches high they should be transplanted about 4 inches apart, or thinned so that they do not overcrowd. Around May 15 the plants may be set out in the open ground, 3 feet each way. For an autumn crop, sow seed in May in the open ground. The fruit is greatly improved if kept off the ground by giving the plants some support.

Marglobe. A large Tomato of the globe type. It is a fine red color and of delicious table quality. Sets fruits medium early and continuously. A feature is its *strong, robust constitution*; it resists wilt, is immune to rust, and will produce fruit during periods of unfavorable weather. Used alike on the large estate and by the home gardener; excellent for the market grower, shipper of car-lots, and the canner. Also, it forces well. Pkt. 15 cts., 1/2oz. 40 cts., oz. 70 cts., 1/4lb. \$2.

Pritchard's Scarlet Topper. Recommended for yield, meatiness, fine flavor, and small seed-cavity. Coming into bearing ahead of most sorts, it continues to yield after others have ceased. A large scarlet fruit, deeply globular in shape, it is just the size and shape for slicing economically. Resistance to wilt and rust has been bred into this variety. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

Oxheart. A distinct, attractive variety of recent introduction and very popular for the home or roadside stand. Fruits very large, heart-shaped, pink, with very few seeds, meaty, and of mild flavor. Pkt. 15 cts., 1/2oz. 45 cts., oz. 80 cts., 1/4lb. \$2.25.

Scarlet Dawn. A new, deep globe-shaped variety, very quick to commence bearing, and very prolific. Fruits are bright scarlet, solid, and of pleasing flavor. Highly resistant to disease. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

Rutgers. New sort that makes a big, vigorous plant on which large, globular, deep red fruits are borne in quantity. Resistant to disease and especially valuable on hill-side, light or poor land. Pkt. 15 cts., 1/2oz. 45 cts., oz. 85 cts., 1/4lb. \$2.25.

John Baer. An early, bright red Tomato of wonderful quality. It is one of the heaviest-yielding sorts we know. The flesh is solid, possessing a fine flavor, free from acid. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Ponderosa. Enormous size is the chief characteristic of this variety. While slightly ribbed, it is very solid and luscious. The fruits are deep purple, oblong in form and with small seed-cells. They frequently weigh one pound each or more. The flavor is good. Pkt. 15 cts., 1/2oz. 50 cts., oz. 90 cts., 1/4lb. \$2.50.

Stone. One of the most reliable main-crop red Tomatoes and a favorite with truckers and canners. The plant is very vigorous and the deep red fruits are produced freely; they are uniform, large, round, smooth, meaty, and possess very little core. The flavor is non-acid. Stone is notable for its heavy yield and high quality. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts., 1/4lb. \$1.50.

Bonny Best. A leader among the early sorts. The fruits are bright red in color, of medium size, and are produced in large quantities. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Chalk's Early Jewel. Uniformly large, bright red, deep, solid fruit. Bears large Tomatoes throughout the season, and for quantity and quality of fruit it is without a rival among the extra-earlies. Pkt. 10 cts., 1/2oz. 30 cts., oz. 50 cts., 1/4lb. \$1.50.

Crimson Cushion or Beefsteak. The largest of the bright red Tomatoes. Crimson Cushion is fairly symmetrical in shape, and thick from stem to blossom end; in fact, it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple. Flesh is firm and of superb quality. Pkt. 15 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Earliana. The earliest red Tomato. Plants have short, close-jointed branches, and set fruit very freely in the center. The fruits average 3 inches in diameter and 2 1/4 inches in depth; solid, with few seeds. Pkt. 10c., 1/2oz. 30c., oz. 50c., 1/4lb. \$1.50.

Essex Wonder. An English outdoor variety that combines hardiness with high quality and heavy yield. May be set out earlier in the season than other sorts. It has a thin skin, plum-like pulp, abundant juice, and is free from tough, fibrous matter. Pkt. 35 cts., 3 pkts. \$1.

Golden Queen. A yellow-fruited sort, excellent for slicing. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Matchless. Pkt. 10 cts., 1/2oz. 35 cts., oz. 65 cts., 1/4lb. \$1.75.

Dwarf Champion. Potato-like foliage and a sturdy, stocky plant. Fruits medium size and purple-pink. Pkt. 10 cts., 1/2oz. 35 cts., oz. 60 cts., 1/4lb. \$1.75.

Dwarf Stone. The fruits, produced in clusters of three to five, average 4 inches in diameter and 2 1/2 inches in depth. Pkt. 10 cts., 1/2oz. 35 cts., oz. 60 cts., 1/4lb. \$1.75.

Small-fruited Tomatoes

Used for making pickles, preserves, etc. Their size, shape, color and flavor also make them desirable for salads.

King Humbert. The fruits are suggestive of a hen's egg in shape and size, and are bright scarlet in color. Pkt. 15 cts., 1/2oz. 45 cts., oz. 75 cts., 1/4lb. \$2.

Yellow Cherry
Red Cherry
Red Currant
Peach

Red Pear
Yellow Pear
Red Plum
Yellow Plum

Each, pkt. 15 cts., 1/2oz. 40 cts., oz. 75 cts., 1/4lb. \$2

Strawberry or Husk Tomato

The plants are of dwarf, spready growth and very productive of sweet-flavored, yellow fruits about the size of a cherry and inclosed in a husk. Pkt. 15 cts., 1/2oz. 45 cts., oz. 75 cts., 1/4lb. \$2.

Forcing Tomatoes

For cultivation under glass.

S. & W. Co.'s Best of All. Fruits of moderate size, smooth, round, and set in bunches. Color rich scarlet-red. Equally good for outdoor culture. Pkt. 20 cts., 1/4oz. 50 cts., oz. \$1.50.

Comet. Is very short-jointed, fruiting close up to the stem. The deep scarlet Tomatoes are of medium size. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.

Stirling Castle. Very heavy cropper of medium-sized, smooth, round, clear red fruit. Pkt. 15 cts., 1/4oz. 30 cts., oz. \$1.

Sunrise. A fruit of fine quality, small to medium in size, perfectly round, and produced in long clusters. Pkt. 20 cts., 1/4oz. 40 cts., oz. \$1.25.

Victory Forcing. A popular variety in England. Pkt. 50 cts., 3 pkts. \$1.25.

WATERMELONS

One ounce will plant about 50 hills. Ready in from 12 to 13 weeks after sowing.

CULTURE. Plant about 8 seeds in a hill, and have the hills 8 feet apart; thin to 3 plants to a hill.

Cole's Early. Succeeds in northern states, where Watermelons never matured before. Flesh bright red, crisp, and delicate in texture, of sweet, refreshing flavor. Pkt. 10 cts., oz. 25 cts., 1/4lb. 60 cts., lb. \$1.50.

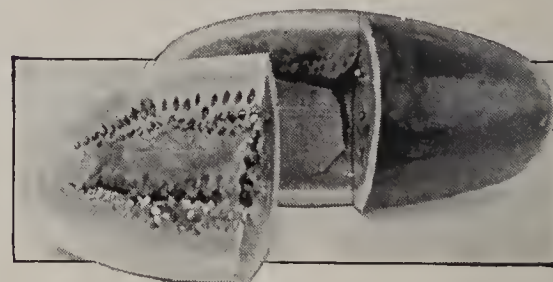
Kleckley Sweets. The sweetest of all the Watermelons. Fruits large with very brittle, unusually thin, green rind and firm, tender, fine-flavored, scarlet flesh. Pkt. 10c., oz. 20c., 1/4lb. 50c., lb. \$1.25.

Early Fordhook. The quickest-maturing, large-fruited Watermelon grown, and therefore suitable for the North. Fruits are short and "stubby," though large. The flesh is bright scarlet, crisp, and of splendid quality. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.

Tom Watson. A long melon with a tough rind. Flesh red, sweet, and tender. Prolific. Pkt. 10 cts., oz. 20 cts., 1/4lb. 50 cts., lb. \$1.25.

Pride of Muscatine. A wilt-resistant variety. Outwardly resembles Kleckley Sweets. Flesh is light pink, with edible qualities slightly inferior to other types offered, but for wilt-infested areas will prove outstanding. Pkt. 10 cts., oz. 25 cts., 1/4lb. 70 cts., lb. \$2.

Citron. Used for preserves. Pkt. 10 cts., oz. 20 cts., 1/4lb. 60 cts., lb. \$1.50.



Tom Watson Watermelon

SUBSISTENCE GARDENS

Coupons issued by Relief Agencies for the purchase of Seeds, will be exchanged by us for merchandise at their full value.

Grow Herbs for Utility—Grow Them for Decoration Also

TURNIP

One ounce will plant about 150 feet of drill

CULTURE. For early Turnips, sow as soon as the ground opens in spring. Rutabagas should be sown from any time in June to first of August, but other kinds for winter use may be sown from the middle of July to the end of August. While they may be sown broadcast, larger crops are obtained by cultivation in drills 1½ feet apart, and thinning to 6 inches in the drill.

Fine White-fleshed Types

Ready in from 7 to 9 weeks

Early White Milan. Quick to mature, the entire "bulb," inside and out, is clear white; the outer surface is perfectly smooth. Its table qualities are unequaled, being tender, and of the most delicate flavor. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

Purple-Top White Globe. Of spherical shape, the skin white with the upper one-third colored reddish purple. The flesh is white, firm, fine-grained, and of superior flavor. May be stored over winter. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

Snowball. An excellent, early, globe-shaped root; smooth, clean, and free from coarseness. A variety that is recommended particularly on account of its splendid table qualities. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. 90 cts.

Purple-Top Milan. A fine smooth-skinned, flat Turnip with the upper portion tinted purple. Flesh is pure white, delicate, and sweet. Pkt. 10 cts., oz. 20 cts., ¼lb. 50 cts., lb. \$1.25.

Long White or Cow-Horn. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. \$1.

Yellow-fleshed Types

Golden Ball or Orange Jelly. A medium-sized Turnip with golden yellow flesh of fine texture. One of the best table varieties. Small tap-root and matures early. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. \$1.

Yellow Aberdeen. A hardy variety of fine form and excellent quality. It has a purple top, keeps well, and is excellent both for the table and for stock. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. \$1.

Yellow Stone. In shape a perfect globe, uniform, and of medium size; the color is pale yellow, and the quality is of the best, being very melting and buttery. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.

An All-Leaf Turnip

Seven Top. In this variety there is little root-development. The leaves, however, are very numerous and large, and the vegetable is recommended to those who esteem "Turnip-tops," as a particularly healthful and palatable green cooked vegetable. Pkt. 10 cts., oz. 20 cts., ¼lb. 40 cts., lb. 90 cts.

RUTABAGA

Russian or Swedish Turnip

Ready in 13 weeks

Long Island Improved. This special strain is of uniform shape and fine quality, and is also a splendid keeper. It grows to a large size, the skin is smooth, and flesh is yellow and fine-grained. Pkt. 10 cts., oz. 20 cts., ¼lb. 45 cts., lb. \$1.25.

VEGETABLE SEED COLLECTIONS

They save time and money, and they ensure a season's supply

COUNTRY GARDEN COLLECTION.

Forty distinct vegetables, in quantity sufficient to take care of the normal requirements of a family of six, and to plant a garden 50 by 100 feet. Selected separately these would cost \$6. Price of the Collection \$5.

SUBURBAN COLLECTION.

Thirty distinct varieties, for a plot 25 by 100 feet. Selected separately these would cost \$3. Price of the Collection \$2.50.

DOLLAR COLLECTION.

We have supplied this assortment for many years, and always it has given satisfaction. 18 packets. Price of the Collection \$1.

RELIEF GARDEN COLLECTION.

Made up of twenty-one reliable varieties that will keep a plot 50 by 100 feet filled with vegetables the summer through. Selected separately these would cost \$2.75. Price of the Collection \$2, 1 doz. Collections \$21, 100 Collections \$150.

CHILDREN'S COLLECTION.

As supplied to the schools of the City of New York. For a plot 15 by 15 feet or more. Contains small packets of the seven vegetables that are quick and easy to grow: beans, beets, carrot, kohlrabi, lettuce, radish, chard. 1 doz. Collections \$3.50, 100 Collections \$25.

Aromatic and Pot Herbs

Anise (<i>Pimpinella Anisum</i>). Seeds aromatic and carminative. Annual.....	Pkt. 15	Oz. 30	\$0 15
Arnica (<i>Arnica montana</i>). Valuable medicinal qualities.....	15		
Balm (<i>Melissa officinalis</i>). For culinary purposes.....	15		
Basil (<i>Ocimum basilicum</i>). Sweet. Culinary herb used for flavoring soups, etc. Annual.....	10	25	
Bene (<i>Sesamum orientale</i>). The leaves used for dysentery.....	15	40	
Borage (<i>Borago officinalis</i>). Leaves used as a salad.....	15	30	
Burnet (<i>Poterium Sanguisorba</i>). Used in the manufacture of cooling drinks.....	10	25	
Caraway (<i>Carum Carvi</i>). Used in flavoring liquids and bread.....	10	20	
Catnip (<i>Nepeta cataria</i>). Has medicinal qualities.....	15	65	
Chamomile (<i>Anthemis nobilis</i>). Has both tonic and febrifugal properties.....	15		
Chives (<i>Allium Schænoprasum</i>). Used as a substitute for onions in soups and salads. (Clumps offered below.) Perennial.....	15	1 00	
Coriander (<i>Coriandrum sativum</i>). Seeds aromatic.....	15		
Cumin (<i>Cuminum cyminum</i>). Known also as Fennel Flower. Seeds are used as an ingredient in curry powder, pickles, soups, and pastry.....	10	25	
Dill (<i>Antheum graveolens</i>). Seed used for flavoring vinegar.....	10	20	
Fennel, Sicilian. True variety; rounded thickened leaf-bases.....	15	30	
Hop (<i>Humulus lupulus</i>).....	15		
Horehound (<i>Marrubium vulgare</i>). Has medicinal qualities.....	15	40	
Hyssop (<i>Hyssopus officinalis</i>). Has medicinal qualities.....	15	40	
Lavender (<i>Lavandula vera</i>). True. For oil and distilled water.....	10		
Marjoram (<i>Origanum Majorana</i>). Sweet. Used in seasoning. Perennial.....	15	50	
Mint. Plants only. See below.			
Rosemary (<i>Rosmarinus officinalis</i>). Yields an aromatic oil. Perennial.....	15	50	
Rue (<i>Ruta graveolens</i>). Said to have medicinal qualities.....	15	50	

Sage (<i>Salvia officinalis</i>). Common. A culinary herb. Perennial.....	Pkt. 15	Oz. 30	\$0 15
Savory (<i>Satureia hortensis</i>). Summer. Used as a culinary herb. Annual.....	15	40	
Savory (<i>Satureia montana</i>). Winter. Employed in the kitchen for seasoning.....	15	50	
Tarragon. Plants only. See below.			
Thyme (<i>Thymus vulgaris</i>). English Broad-leaved. Employed for seasoning; the oil is sometimes used in perfumery. Perennial.....	15	75	
Thyme (<i>Thymus vulgaris</i>). French. A small-leaved, less hardy type.....	15	50	
Wormwood (<i>Artemisia absinthium</i>). Has medicinal qualities.....	15	40	

Culinary Herb Plants

Chives (*Allium Schænoprasum*). Used for flavoring.
Lavender (*Lavandula vera*). True Munstead Strain. The dried flowers impart their well-known fragrance to the household linen; from this plant is distilled "Lavender Water."
Lemon-Thyme (*Thymus citriodorus*). Lemon scented.
Marjoram (*Origanum Majorana*). Sweet Marjoram. A valuable herb in the kitchen.
Rosemary (*Rosmarinus officinalis*). Yields an aromatic oil.
Sage (*Salvia officinalis*). The well-known culinary herb.
Savory (*Satureia montana*). Winter Savory. A useful herb in the kitchen.
Tansy (*Tenacium vulgare*). For flavoring; has some medicinal value.
Tarragon (*Artemisia dracunculus*). Used for seasoning salads and flavoring vinegar. 50 cts. each, \$5 per doz.
Thyme (*Thymus vulgaris*). English Broad-leaved.
Mint (*Mentha viridis*). Common garden "Mint" or "Spearmint."
Peppermint (*Mentha piperita*). True English. From the tops the well-known cordial is distilled.

Any of the above, except Tarragon, 25 cts. each, \$2.50 per doz., \$18 per 100

HERB PLANT COLLECTIONS

One plant each of the above 12 varieties.....\$2.50
 Three plants each of the above 12 varieties.....\$7.25
 Purchaser pays transportation on Plants beyond 50 miles of New York



Amaryllis



Anemone, St. Brigid



Cannas in Border



Hyacinthus candicans
See page 63

Flowering Bulbs and Roots

FOR HOUSE
AND GARDEN

AMARYLLIS

We offer three distinct types. One, S. & W. Co.'s Giant Hybrids, is grown in pots and exhibited at our New York Flower Show. Bulbs of this type usually become dormant in October and may be started indoors from December onward. The varieties Equestris and Lycoris squamigera are usually planted outdoors in the springtime for summer blooming.

S. & W. Co.'s Giant Hybrids. There has been a great improvement in this grand variety of bulbous plant this past ten years. Plant-breeders have vied with one another in producing finer and larger blooms, as well as pure colors. Our strain of bulbs produces vigorous stems with from four to six blooms of the most perfect form, ranging in color from pure white grounds with varied markings of rose, red, and crimson, to the richest self colors, such as scarlet, crimson, bright red, cherry, and almost maroon. The bulbs should be planted in 6-inch pots in good garden loam enriched with a tablespoonful of bone. Cover bulb up as far as the neck; water sparingly until flower-stalk appears, then water more freely as plant advances in growth. Large bulbs, 40 cts. each, \$4 per doz., \$30 per 100.

Jumbo bulbs, 50 cts. each, \$5 per doz., \$40 per 100.

Equestris. This variety has bright orange-scarlet flowers, with a white throat. 20 cts. each, \$2 per doz., \$15 per 100.

Lycoris squamigera (Amaryllis Halli.) One of the most graceful and charming varieties which originated in Japan. It is perfectly hardy and produces attractive green foliage in early spring, which later dies away. About two months later the flower-stalk appears, growing about 2 feet high and developing an umbel of large, lily-shaped, delicate pink flowers, shaded with clear blue. \$1.50 each, \$15 per doz.

ANEMONE

St. Brigid. Beautiful semi-double and double blooms in many rich and bright colors. Planted outdoors in May, will bloom in early summer. Hardy with slight protection. 70 cts. per doz., \$5 per 100.

His Excellency. A single-flowering Anemone with large, brilliant, poppy-scarlet blooms. Blooms profusely during spring and early summer. 70 cts. per doz., \$5 per 100.

BEGONIAS TUBEROUS-ROOTED

CULTURE.—A popular method of culture is to provide a pan or box, and cover the bottom to the depth of one inch with sphagnum moss, placing the bulb immediately on top and then covering with still another layer of sphagnum moss. They should be kept moist and moderately warm. As soon as roots appear plant in pots in a light soil, one inch below the surface, and water cautiously until plant has shown growth, then increase the amount. Good drainage is essential. A finely developed plant might consist of three bulbs planted in a 7-inch pot. Splendid for shady borders or beds. Plant bulbs outdoors 8 inches apart in latitude of New York about the middle of May. We offer large bulbs 1½ inches and up.

Single-flowering Varieties

This class of the Tuberous-rooted Begonias is largely used for beds or border-planting.

White	Crimson	Salmon
Pink	Yellow	Mixed
Scarlet	Orange	

30 cts. each, \$3 per doz., \$20 per 100

Double-flowering Varieties

White	Crimson	Salmon
Pink	Yellow	Mixed
Scarlet	Orange	

30 cts. each, \$3 per doz., \$20 per 100

Hanging-Basket Type

This type of Begonia is splendid for vases, hanging-baskets, porch- or window-boxes.

Pink	Scarlet	White	Yellow
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30 cts. each, \$3 per doz., \$20 per 100

CALADIUM ESCULENTUM

Elephant's Ear

One of the most effective plants in cultivation for beds, borders or for planting out upon the lawn. Very frequently used as border plants about suburban residences, where their large, rich green leaves afford an excellent embellishment when contrasted with the colors of the dwellings. Leaves often measure 3 to 4 feet long and 2½ feet wide. Plant outdoors about June 1.

	Each	Doz.	100
Mammoth-size Bulbs...	\$0 20	\$2 00	\$15 00
Jumbo-size Bulbs.....	35	3 50	25 00

FANCY-LEAVED CALADIUMS

Few, if any, of the summer foliage plants equal the Fancy-leaved Caladiums in their rich and gorgeous, yet soft, coloring. All the varieties are of marvelous beauty for the furnishing of the conservatory during the summer months, or even for outdoor bedding in shady or semi-shady positions. Bulbs do best if started in pots, planting one bulb to a 6-inch pot. Plant and handle similar to indoor culture of tuberous-rooted begonias.

Twelve Extra - Choice Each	Doz.	100
Named Varieties.....	\$0 50	\$5 00 \$35 00
Extra-Choice Mixture of		
Named Varieties.....	40	4 00 25 00

CANNA ROOTS

We offer ten distinct varieties of this flowering and foliage plant. Dormant roots of Cannas should be potted in 4- or 5-inch pots or planted in shallow boxes in March or April and kept in a warm place to start them into growth. The started plants may be planted out about May 20 to June 10 in the vicinity of New York; earlier in the South and later in the North. They should be set about 2 feet apart. Dormant roots may be planted outdoors in May.

Ambassador. Flowers rich cherry-red. Rich bronze foliage and stalk. Height 4 feet.

City of Portland. Deep rich pink. Green foliage. Height 5 feet.

Eureka. The finest white variety. Green foliage. Height 4 feet.

King Humbert. Flowers of gigantic size, brilliant orange-scarlet, with bright red markings. Foliage bronze. Height 5 feet.

King Midas. Large flowers of a rich pure yellow. Green foliage. Height 4 feet.

Mrs. Alfred Conard. Large blooms of salmon-pink, with rich dark green foliage. Height 5 feet.

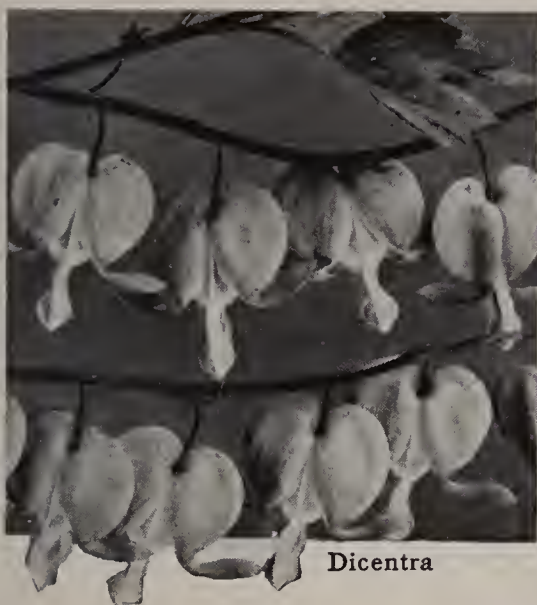
The President. Rich glowing scarlet, with immense flowers 7 inches across. Foliage a rich deep green. Height 5 feet.

Wintzer's Colossal. One of the largest flowering Cannas. Blooms bright deep scarlet. Height 5 feet.

Wyoming. Large flowers of deep orange, with bronze foliage. Height 6 feet.

Yellow King Humbert. Flowers yellow, spotted red. Green foliage. 5 feet.

Selected roots, any of above, 15 cts. each,
\$1.50 per doz., \$10 per 100



Dicentra



Oxalis



Gloxinia

Flowering Bulbs and Roots

CALLAS (*Richardia*)

The variety offered below succeeds best when treated in the same manner as gladiolus. Plant in the open border when danger from frost is over, and Callas will flower during the summer. When the tops are killed by frost, dig and store as you would potatoes.

Golden Yellow (*Richardia Elliottiana*). This is the best of the Yellow Callas, its flowers being as large as the popular white winter-flowering variety, and of a rich, lustrous golden yellow of velvety texture; the foliage is dark green, with a number of translucent creamy white spots, which add much to its beauty. Strong bulbs, 40 cts. each, \$4 per doz., \$30 per 100.

CINNAMON VINE

Dioscorea Batatas

A beautiful, rapid-growing summer climber, with bright green, glossy foliage, and spikes of deliciously cinnamon-scented, white flowers. It is perfectly hardy, the stem dying down in winter, but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Selected roots, 15 cts. each, \$1.25 per doz., \$9 per 100.

DIELYTRA SPECTABILIS

Dicentra

Bleeding-Heart or Seal Flower

An old-fashioned favorite; its long racemes of graceful heart-shaped pink flowers are always attractive. It is used largely for forcing, but is also excellent for the garden border and especially valuable for planting in the shade. Strong clumps, 50 cts. each, \$5 per doz., \$40 per 100.

GLOXINIAS

This is, perhaps, one of the handsomest of summer-blooming, tuberous-rooted plants and should be grown more by the amateur than it has been. As a pot-plant for the window-garden it is grand. The main points to observe are, proper care in watering, good drainage, and properly mixed soil. The cultural directions given for begonias might also be followed for starting and growing Gloxinias. One bulb is usually used for a 4-inch pot.

S. & W. Co.'s Mixture. A mixture of crimson, scarlet, pink, violet, and white. 40 cts. each, \$4 per doz., \$30 per 100.

HYACINTHUS CANDICANS

Luxuriant, free-growing summer-flowering plant; spreads 2 to 3 feet, throwing up great, tall spikes, 4 to 5 feet in height, each bearing twenty to thirty large, white, bell-shaped flowers. Choice bulbs, 15 cts. each, \$1.50 per doz., \$10 per 100.

ISMENE CALATHINA

Pancratium Lily; Peruvian Daffodil

A choice flowering bulb, blooming profusely during the summer. Clusters of large, strikingly fragrant, pearly white flowers. Bulbs should be kept warm and dry and planted out the middle of May; they will commence flowering in July. Before freezing weather sets in, they should be lifted and kept in a warm, dry place. Large bulbs, 25 cts. each, \$2.50 per doz., \$15 per 100.

MADEIRA VINE

Climbing Mignonette

A beautiful and popular vine, covering a large space in a short time. Fleshy heart-shaped leaves of a light green, and numerous racemes of feathery flowers of delightful fragrance. Protect with litter in this latitude. 15 cts. each, \$1.50 per doz., \$10 per 100.

MONTBRETIAS

This delightful bulbous plant blooms from July until frost and is excellent for cutting. Bulbs should be planted outdoors during April and May. They require a protection of leaves or litter if planted in a permanent location. There are numerous varieties, many of them, however, similar in color. We list four distinct colors.

California. Deep golden yellow.

Fire King. Large; glowing scarlet.

Talisman. Large; deep orange.

Transcendent. Deep orange-scarlet.

Any of above varieties, 10 cts. each, \$1 per doz., \$2 for 25, \$7.50 per 100

OXALIS

This excellent summer-blooming bulb is fine for edging the borders of walks or flower-beds.

Deppei. Small; white.

Lasiandra. Rosy pink. Beautifully cut foliage.

Shamrock. Pink flowers. Clover-like foliage. 25 cts. per doz., \$1.50 per 100, \$12.50 per 1000

RANUNCULUS (*Buttercup*)

S. & W. Co.'s Tecolete Giant Mixed. Improved strain. The flowers are fully double, blended with giant semi-double. Our mixture consists of shades of orange, red, yellow, and pink. Plant bulbs during May; north of Washington they require a mulch for winter protection. 70 cts. per doz., \$5 per 100.

TIGRIDIA (*Mexican Shellflower*)

This grows well in the open ground in summer as far north as New England and gives a continuous display of gorgeous color from midsummer to frost. A writer in the *Ladies Home Journal* has this to say about it:

"This brilliant silken triangle unfolds from its long slender bud and bursts into sharply contrasting tints of fire, leaping from bright yellow to molten orange and vivid scarlets, and is eagerly sought as a rare but sturdy garden novelty."

CULTURE. Give the bulbs the same treatment as Gladiolus; that is, plant them 4 inches deep and at least 6 inches apart, any time after May 15. The plant thrives in a sunny situation but needs an abundance of water.

Our improved strain is a mixture including a wide range of colors—white with spotted cup, white with rose sheen, rose, yellow with suffusion of red, yellow with spotted cup, and brilliant scarlet. 10 bulbs \$1, 25 bulbs \$2, 100 bulbs \$7.50.

TUBEROSES

Delightfully fragrant and beautiful. By skillful management a succession may be obtained the year round. For early flowers they can be started from February to April in the greenhouse or hotbed. For flowering in the open border, plant in May and June.

Excelsior Double Pearl. White; double-flowering. Jumbo Exhibition Bulbs, 10 cts. each, 80 cts. per doz., \$6 per 100.

Albino. A single white variety blooming in July or August. 15 cts. each, \$1.50 per doz., \$10 per 100.

ZEPHYRANTHES

These are very useful for the open border. They are easily managed, requiring the same treatment as the gladiolus, and can be planted at the same time, but more closely.

Alba. Pure white. 75 cts. per doz., \$5 per 100.

Rosea. Clear rose. \$1 per doz., \$8 per 100.



Canadense



Superbum



Tigrinum splendens



Lily-of-the-Valley

HARDY LILIES

The Lilies offered below are among the best for spring planting. For a more extensive list, we refer to our Fall Bulb Catalogue, issued in August. Our list is confined to those varieties we know, from actual trials, do well, and the following varieties will prove satisfactory if planted by June 1.

Lilies do best in the hardy border or among shrubbery, for the reason that the flowering stems bear masses of roots immediately below the ground surface, and the shady situation helps these roots to better feed the plant; when through

flowering, these roots help in the rehabilitation of the bulbs for another season. Any good garden soil with good drainage will do. In planting, cover bulbs at least twice their diameter except several varieties for which we recommend shallow planting, and, if possible, spread 1 inch of sharp builders' sand under the base, so that after the bulbs make basal roots the sand will provide drainage if water-logged in winter. When hard frost sets in, cover with 4 to 6 inches of leaves or litter which should be removed when spring arrives.

Auratum. The Golden-rayed Lily of Japan.

The flowers are pure white, thickly studded with reddish brown spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from July to September, and possess a most delicious fragrance. 3 to 5 feet.

	Each	Doz.	100
9 to 11-in. bulbs....	\$0 35	\$3 50	\$25 00
11 to 13-in. bulbs....	45	4 50	35 00

Auratum platyphyllum. The tallest and largest of the Auratums, with broader, darker leaves and larger flowers similar to Auratum, but lacks the spots, leaving a pure white bloom with a yellow band.

	Each	Doz.	100
9 to 11-in. bulbs....	\$0 35	\$3 50	\$25 00
11 to 13-in. bulbs....	65	6 50	50 00

Canadense. The red Meadow Lily of fields and roadsides. In July, its tall stems, 3 to 8 feet high, bear great sprays of nodding, bell-like, bright orange-crimson flowers dotted with maroon. 30 cts. each, \$3 per doz., \$20 per 100.

Davuricum. See **Umbellatum**.

Elegans, Alice Wilson. Erect, dwarf plant, 1 to 3 feet high, with upright flowers of bright lemon-yellow, very bright and showy in June. Plant shallow in light soil in full sun. Good for naturalizing or rock-gardens. 30 cts. each, \$3 per doz., \$20 per 100.

Hansoni. Hanson's Lily. Delicately fragrant, nodding flowers of pale yellow-orange, with thick, waxy, recurved petals, in clusters above broad whorls of leaves on stems 2 to 4 feet high. Likes shade, moist soil and blooms very early in June. Plant moderately deep. 35 cts. each, \$3.50 per doz., \$25 per 100.

Henryi. Henry's Lily or the Yellow Speciosum. A very lovely flower of the Speciosum type. It grows 8 to 10 feet high or more in favorable places, and likes to root among low shrubs, sending its tall stems up into the sunlight where its bright apricot-yellow flowers may show at their best. Ordinary soil suits it, and moderately deep planting. Blooms in July and August. Strong bulbs, 35 cts. each, \$3.50 per doz., \$25 per 100.

Pardalinum. The California Leopard Lily. Tall and striking, with rich orange-red flowers having back-flared petals, and strongly marked by purple spots ringed lighter. It blooms in June and July and likes deep, rich, woody soil. Plant 5 inches deep. 35 cts. each, \$3.50 per doz., \$25 per 100.

Philippinense formosanum. In reality a hardy Easter Lily. Grows 1½ to 2 feet tall, with large, white, trumpet-shaped blooms, suffused on the exterior with reddish brown. Possesses a delightful fragrance. Blooms in July. Stem-rooting; plant 8 inches deep. Hardy and prolific. 35 cts. each, \$3.50 per doz., \$25 per 100.

Regale. A regal beauty. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, blending out part way up the trumpet. The fragrance is delightful, similar to the jasmine. A splendid hardy Lily for the garden, flowering about July 1. The easiest Lily to grow.

First-size bulbs, 6 to Each	Doz.	100
7 in. circum.....	\$0 20	\$2 00 \$15 00
Mammoth bulbs, 7 to		
8 in. circum.....	30	3 00 20 00
Jumbo bulbs, 8 to		
9 in. circum.....	40	4 00 30 00
Monster bulbs, 9 to		
10 in. circum.....	50	5 00 40 00

Speciosum album. The White Speciosum, which is usually grown with Magnificum and Auratum, is a very dainty Lily. Flowers outside in the border or among rhododendrons at the same time as Auratum and Magnificum.

	Each	Doz.	100
8 to 9-in. bulbs....	\$0 30	\$3 00 \$20 00	
9 to 11-in. bulbs....	45	4 50 35 00	

Speciosum magnificum. Oriental Orchids. Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bordered with deep pinkish crimson. A much superior variety to the Roseum, Rubrum, or Melpomene of the Speciosum type. For the border, among hardy plants or naturalized among rhododendrons, this is an equal favorite with the handsome *Lilium auratum* offered above. Blooms outside during August.

	Each	Doz.	100
9 to 11-in. bulbs....	\$0 30	\$3 00 \$20 00	
11 to 13-in. bulbs....	45	4 50 35 00	

Superbum. The Turk's-Cap Lily. Considered the handsomest American Lily. It grows 5 to 8 feet high, with an immense, pyramidal cluster of brilliant orange-red, turban-shaped flowers, yellowish inside and spotted brown. It likes to be planted deep in moist, well-drained soil. 35 cts. each, \$3.50 per doz., \$25 per 100.

Tenuifolium. Coral Lily. A dwarf, very graceful Lily, with thread-like leaves and clusters of nodding, tiny, bell-like, recurved flowers of brilliant coral-red in June. Likes damp soil among rocks, with access to sunlight above. Plant 6 inches deep. 25 cts. each, \$2.50 per doz., \$20 per 100.

Tigrinum. The Tiger Lily is well known, with its showy, spotted red-orange flowers in wayside gardens in August and later. Very easy to grow, thriving in full sun in any soil. Plant shallow. 30 cts. each, \$3 per doz., \$20 per 100.

Tigrinum flore-pleno. The double Tiger Lily is even showier and more handsome in a way than the original. It blooms later and requires the same treatment. 35 cts. each, \$3.50 per doz., \$25 per 100.

Umbellatum. Burning red-orange flowers held upright and produced in June. Of easy culture and particularly suited for the border. Plant shallow in full sunlight in well-drained soil. 30 cts. each, \$3 per doz., \$20 per 100.

NOTE. We carry a complete list of Lilies in cold storage for planting in your greenhouse in the summer and autumn for winter blooming. Varieties and prices sent on request.

LILY-OF-THE-VALLEY

For Outdoor Planting

In the past, many garden enthusiasts have planted *clumps* of Lily-of-the-Valley in sheltered locations in their gardens. On account of the ruling of the Federal Horticultural Board, these clumps, before leaving Europe, must have all soil removed from their roots. Our experience in the past is that clumps received with the soil removed are not satisfactory for outdoor planting. The best way to get a good Lily-of-the-Valley bed, and the method used by professional gardeners, is to plant two-year-old *pips* 4 inches apart. This method will produce a better bed than by using clumps. We offer for this purpose pips of smaller size than those used for growing Lily-of-the-Valley indoors and at attractive prices. 10 pips 75 cts., 25 pips \$1.50, 100 pips \$5, 1000 pips \$40.

For Greenhouse Growing

In judging the price of our Lily-of-the-Valley, please remember that the best is the cheapest. Our Valley is positively among the best. Is bought at open prices, with instructions for a selection of the best-developed pips. Our long experience and large importations have commanded this extra selection. For **growing indoors** these pips are the best that can be planted. 25 pips \$2.50, 100 pips \$9, 250 pips \$21, 500 pips \$40, 1000 pips \$75.

Popular Pompon Dahlias

We offer seven distinct varieties of this increasingly popular type of Dahlia. The small, finely formed flowers, 1½ to 2 inches in diameter, are borne freely on long stems and are very useful for table decorations. The seven varieties listed give a fine range of colors.

Amber Queen. Light amber.
 Bobby. Deep plum.
 Edith Muller. Rosy orange and yellow.
 Fashion. Clear orange.
 Golden Beauty. Brilliant golden yellow.
 Indian Chief. Rich red, tipped white.
 Red Gem. Rich deep red.

*Any of the above Pompon Dahlias,
 roots, 30 cts. each, \$3 per doz.*

COLLECTION: One root each of 7 varieties **\$1.50**



Elizabeth Potter. ½ actual diameter

NEW DAHLIA Elizabeth Potter

A New Gold Medal Dahlia, winner of many trophies as a seedling and in display exhibits. A massive, full flower measuring 8 to 12 inches in diameter and 4 to 6 inches in depth. The tight-centered florets are of picric-yellow, lightly edged and tipped violet, bordered by three or four rows of picric-yellow florets, and all outside petals are amaranth-pink. Truly a gorgeous effect. A vigorous, free-flowering, and long, strong-stemmed variety of easy culture. Splendid for cutting or exhibition. Special awards given as a seedling when exhibited at Glen Cove, Oyster Bay, and Westbury, Long Island.

Strong root-divisions,
 \$1.50 each, \$15 per doz.

Giant-flowering Montbretias

One of the summer-flowering bulbous plants found very useful for cutting. Its habit of growth is similar to that of the Gladiolus, it blooms freely, and the colorings are bright and interesting.

We offer a mixture of the large-flowering varieties, containing colors from apricot, yellow, and orange-scarlet to bright scarlet.

10 cts. each, \$1 per doz., \$2 for 25, \$7.50 per 100

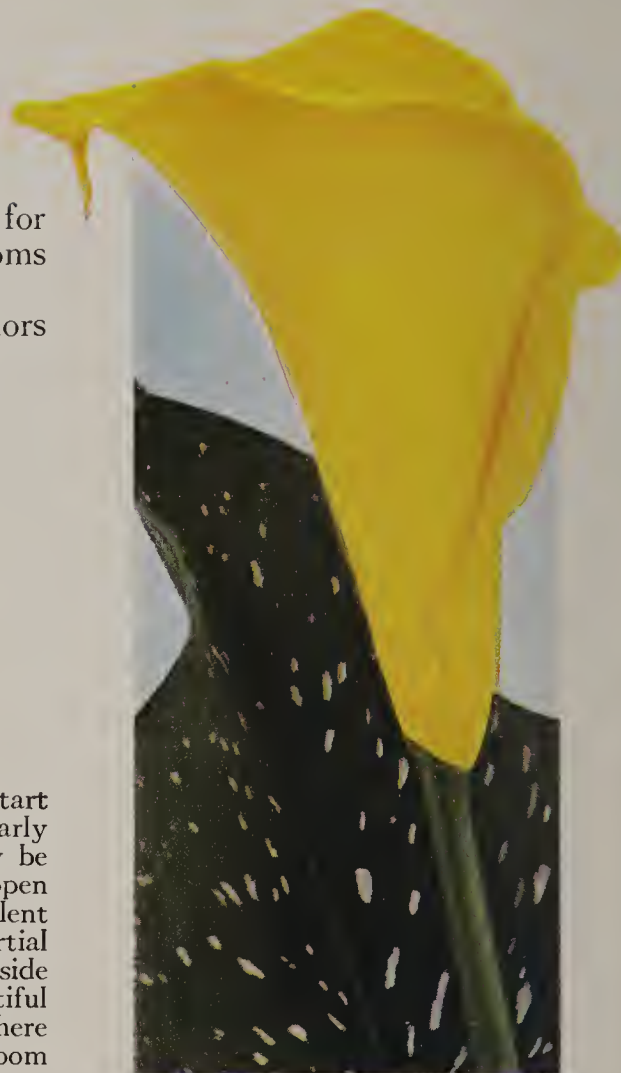
Tuberous-Rooted Begonias

While professional gardeners start tubers in pots indoors during early spring, the dormant bulbs may be planted 10 inches apart in the open ground during May with excellent results. They will thrive in partial shade. Planted on the north side of a house they will make a beautiful display and in those places where hardly any other flower will bloom satisfactorily.

Single Varieties, White, Scarlet, Pink, Crimson, Yellow, Orange, Salmon, or Mixed Colors.

Double Varieties, White, Scarlet, Pink, Crimson, Yellow, Orange, Salmon, or Mixed Colors.

Any of above, extra-large bulbs, 30 cts. each, \$3 per doz., \$20 per 100



GOLDEN YELLOW *Calla Lily*
Richardi Elliottiana

This very beautiful Calla Lily, so frequently grown by the commercial florist as an Easter pot-plant, is a splendid bulbous subject for the border. Bulbs planted in the garden in May or early June bloom in the late summer. **Large blooming bulbs, 40 cts. each, \$4 per doz., \$30 per 100.**



BEGONIAS



Dahlia, Bob White



Dahlia, Ambassador



Dahlia, Jane Cowl



Dahlia, Kentucky

NEW AND RARE EXHIBITION DAHLIAS

The garden-lover who has become interested in Dahlias and vies with his neighbor in excelling him at his local Dahlia show, will be interested to know that some of the very high-priced varieties of last year are now available at more attractive prices. Our list of New and Rare Exhibition Dahlias has been reduced to those that we consider worthy of a place in every garden, and represents the cream of the finest varieties that are available in reasonable quantities. **We offer strong tubers for spring delivery.** In order to properly describe Dahlias listed as to type of flower, we have noted against each variety the following letters F.D.,

meaning Formal Decorative; I.D., Informal Decorative; Semi-C., Semi-Cactus; I.C., Incurved Cactus; S.C., Straight Cactus. In order to further describe our meaning, the American Dahlia Society explains these classifications as follows:

Formal Decorative Dahlias (F.D.). Fully double flowers, floral rays generally broad, either pointed or rounded at tips, with outer floral rays tending to be cupped; all floral rays somewhat regular.

Informal Decorative Dahlias (I.D.). Fully double flowers, floral rays generally long, twisted, or pointed and usually irregular in arrangement.

Semi-Cactus Dahlias (Semi-C.). Fully double flowers with the margins of the majority of the floral rays revolute for less than one-half of their length.

Incurved Cactus Dahlias (I.C.). These are fully double flowers with the margins of the majority of the floral rays revolute for one-half or more of their length, the floral rays tending to curve toward the center of the flower.

Recurved or Straight Cactus Dahlias (S.C.). Fully double flowers with the margins of the majority of the floral rays revolute for one-half of their length or more, the floral rays being recurved or straight.

ALTA NEVADA. I.D. A giant Dahlia of deep rose-color, blended glowing tangerine, on long, wiry stems. Very free flowering. 50 cts. each, \$5 per doz.

AVALON. F.D. A fine Dahlia of deep canary-yellow on long, erect stems. Very prolific. Can be used as a cut-flower or garden variety. 25 cts. each, \$2.50 per doz.

BALLEGO'S GLORY. F.D. A very interesting Formal Decorative Dahlia of medium size. The flowers are a beautiful combination of scarlet and gold. \$1 each, \$10 per doz.

BARBARA REDFERN. F.D. Very large, deep flowers of a delightful blend of old-rose and old-gold, borne on heavy, stiff stems. A free bloomer and vigorous grower. 50 cts. each, \$5 per doz.

BAY SHORE BEAUTY. F.D. *New.* Another fine sport of Jersey's Beauty, of the same robust growth and free-flowering habit. The color is a soft, beautiful shade of orchid-lavender. A fitting companion to Jersey's Beauty and Kentucky. 75 cts. each, \$7.50 per doz.

BLUE GEM. F.D. A very large, beautifully formed flower of striking bluish purple. Robust and easy to grow. Very free-flowering Dahlia of great merit. 75 cts. each, \$7.50 per doz.

BOB WHITE. F.D. Pure white, giant flowers, full and deep, borne on long cane stems that hold them absolutely upright. Good clean grower; insect-proof. This wonderful creation will be a sensation. We have never seen a white bloom so freely. 50 cts. each, \$5 per doz.

BRONZE KNIGHT. F.D. *New.* A giant Dahlia of chrome-orange, flushed grenadine-red, the general tone being brilliant orange. An exceptionally robust grower carrying the giant flowers on long, splendid stems. \$1.50 each, \$15 per doz.

CALUMET. F.D. Very large Dahlia of deep chamois, suffused gold. A flower of good substance and splendid for cutting or the garden. 50 cts. each, \$5 per doz.

CHARM. I.D. Very attractive Dahlia of russet and orange shading. A medium-sized flower of free-blooming habit on strong, wiry stems. Splendid for home decoration. 25 cts. each, \$2.50 per doz.

DONNA CALIFORNIA. I.D. Deep lavender-rose blooms of enormous size and very free flowering. One of the best. 75 cts. each, \$7.50 per doz.

DOROTHY STONE. I.D. A huge, very full-centered flower of a true deep shade of pink. Exceptionally free flowering. Medium height. Highly recommended. 50 cts. each, \$5 per doz.

DR. JOHN H. CARMAN. F.D. A massive, broad-petaled Tyrian-rose flower, tipped petunia and silver, on stiff, heavy stem. Free flowering. 50 cts. each, \$5 per doz.

ELITE GLORY. F.D. Color brilliant American red. Blooms very large and held well above foliage on long, cane-like stems. Foliage exceptionally vigorous. 50 cts. each, \$5 per doz.

ELIZABETH POTTER. F.D. A New Gold Medal Dahlia, winner of many trophies as a seedling and in display exhibits. A massive, full flower measuring 8 to 12 inches in diameter and 4 to 6 inches in depth. A vigorous, free-flowering, and long, strong-stemmed variety of easy culture. Splendid for cutting or exhibition. Special awards given as a seedling when exhibited at Glen Cove, Oyster Bay, and Westbury, Long Island. See in color, page 65. Strong root-divisions, \$1.50 each, \$15 per doz.

FLAMING SWORD. F.D. A giant, robust, free-flowering, new Dahlia of gorgeous deep flaming carrot-red. Fine form; medium height. \$1 each, \$10 per doz.

FRANCIS LAROCO. F.D. One of the finest large, pure yellow, Decorative Dahlias in existence, and perfect in form. Vigorous grower with fine stems and of profuse-blooming qualities. A Dahlia that should be in everybody's garden. 35 cts. each, \$3.50 per doz.

JANE COWL. I.D. One of the few outstanding exhibition Dahlias in 1928 and 1929. Deep, massive blooms of a bronzy buff and old-gold, blending darker toward the perfect center. A stem of unusual strength holds this giant Decorative over a plant of ideal growth, while the foliage is the thick, leathery kind that insects seldom injure. 40 cts. each, \$4 per doz.

JERSEY'S BEACON. F.D. This fine novelty is Chinese-scarlet, paler on the reverse, giving a two-toned effect. It is a great favorite and a real "beacon of the garden." Large; free bloomer; vigorous grower. 35 cts. each, \$3.50 per doz.

Dahlias are delivered free to any point in the U. S.

NEW AND RARE EXHIBITION DAHLIAS

JERSEY'S BEAUTY. F.D. This is, without a doubt, the finest true pink Decorative Dahlia yet introduced. The beautiful large, pink flowers are of perfect form and are supported on long, straight, stiff stems, held well above the foliage. As a cut-flower, it is a wonderful keeper and is instantly admired. A splendid exhibition Dahlia, and equally valuable for garden decoration. Owing to a good supply of tubers, we are able to offer this fine Dahlia at a reasonable price this year. 25 cts. each, \$2.50 per doz.

JERSEY'S BUTTERCUP. F.D. The color of this beautiful Dahlia is picric-yellow. A very prolific bloomer. Stems long and stiff. Fine cut-flower and exhibition variety. 75 cts. each, \$7.50 per doz.

JERSEY'S MAJESTIC. I.D. One of the largest Dahlias grown—11- to 12-inch specimens are not unusual. Massive, dark green foliage. Stems medium but stout, showing the flower above the foliage. Color, dark old-gold. Ideal for those who admire extra-size Dahlias. Winner Gold Cup, Atlantic City, 1932. \$1.50 each, \$15 per doz.

JERSEY'S TRIUMPH. F.D. One of the real autumn shades—bright copper flushed with salmon-bronze; large flowers. In habit the same as Jersey's Beauty, coming from the same parents. Won the highest award in Holland, 1931. 50 cts. each, \$5 per doz.

KATHLEEN NORRIS. I.D. A bloom of massive proportions, with broad, overlapping petals having twisted ends. Color, a true rose-pink, deepening to mallow-pink. Great blooms on perfect stems. 75 cts. each, \$7.50 per doz.

KEMP'S FORT MONMOUTH. I.D. One of the giants of the Dahlia world. In color it is a rich crimson-maroon, with a faint tint of bluish violet at tips of petals. An immense flower, frequently 13 inches in diameter, and borne on long, strong stems, well above the foliage. Does not burn; a fine keeper and an excellent Dahlia for exhibition. 50 cts. each, \$5 per doz.

KENTUCKY. F.D. A sport of Jersey's Beauty, having the same good qualities. Color is a wonderfully brilliant light salmon-orange, shading to orange-yellow at base of petals, deepening to grenadine-pink on the reverse of petals. Long, strong stems. 35 cts. each, \$3.50 per doz.

KISS ME. S.C. Bicolor, scarlet-red and white. A fine, clean-growing, free-flowering garden and cut-flower variety of dazzling brilliance. 50 cts. each, \$5 per doz.

LAVENDER PRINCESS. I.D. Deep lavender, veined purple; of great size. Fine long stems. Very free flowering. 75 cts. each, \$7.50 per doz.

MARMION. I.D. This huge, beautiful flower of golden yellow with bronze suffusion always attracts attention. The petals are wavy and curl gracefully. A very free bloomer. 50 cts. each, \$5 per doz.

META SCAMMEL. Semi-C. A giant Dahlia of very artistic form. Color orchid-pink. The bush is literally covered with large flowers the entire season. 50 cts. each, \$5 per doz.

MONMOUTH CHAMPION. F.D. Flame-scarlet flowers 12 inches and more across, full centered, and borne high above the foliage on stiff stems holding them forward. Strong grower and free flowering. 50 cts. each, \$5 per doz.

MR. EDWARDS. F.D. The color of this lovely Dahlia is amaranth-pink with reverse of petals shaded plum. Flowers are very large and deep. 50 cts. each, \$5 per doz.

MRS. A. B. SEAL. I.D. An immense bloom of the softest, richest shade of glowing old-rose, held well above the foliage on fine long stems. 50 cts. each, \$5 per doz.

MRS. A. E. WHEELER. I.D. A fine clean-growing Dahlia of rich crimson-red, of large size, and free flowering on fine stems. A splendid keeper. 75 cts. each, \$7.50 per doz.

MRS. I. DE VER WARNER. I.D. A refined, deep mauve-pink Dahlia of perfect form, impressive on account of its size and beautiful orchid color. It is an abundant bloomer, splendid for exhibition and fine for the garden. 25 cts. each, \$2.50 per doz.



Dahlia, Jersey's Beauty

NETAWAKA. I.D. The flowers are very large, borne freely on long stems. Color a beautiful orange-yellow, base shading to jasper-red, reverse of petals carmine, producing a lovely two-tone effect. 50 cts. each, \$5 per doz.

PAINTED LADY. F.D. A striking combination of white and daintily flushed bluish lavender. A splendid Dahlia for cutting, garden, or exhibition. 50 cts. each, \$5 per doz.

PINK GLORY. F.D. New. Lovely glowing light rose-pink giant Dahlia of strong growth and great substance; very free flowering on the best of stems. \$1 each, \$10 per doz.

PRINCESS XENIA. F.D. A very large, free-flowering Dahlia of soft peach-pink; clean habit of growth. A great favorite for the garden and exhibition. \$1 each, \$10 per doz.

PURPLE GLORY. F.D. Clear bluish purple flower of great size and substance. Very popular. 50 cts. each, \$5 per doz.

RED KING. F.D. New. Vivid rich red Dahlia of fine habit, long stems and free flowering; flowers 6 to 8 inches across and of firm texture and lasting qualities. Very fine for cutting. 75 cts. each, \$7.50 per doz.

RED SUNRISE. F.D. Intense red flowers. A fine variety for garden or cut-flowers. 35 cts. each, \$3.50 per doz.

ROSE FALLON. F.D. One of the largest of the new eastern introductions. A beautiful Decorative of pleasing shades of amber, russet, and salmon. The formation of the flower is perfect and the stems are excellent. Its foliage is very dark and fine. A good cut-flower variety. 35 cts. each, \$3.50 per doz.

ROSE QUEEN. F.D. A glowing old-rose that is charming and distinct; giant flowers of fine form. This fine variety can be used for exhibition as well as garden decoration. \$2.50 each, \$25 per doz.

SAGAMORE. F.D. Fine cut-flower of a light apricot-buff, shaded orange-buff toward the center. It has fine strong stems with splendid keeping qualities. 25 cts. each, \$2.50 per doz.

SALMON SUPREME. F.D. At our Trial-Grounds this splendid seedling of Jersey's Beauty proved a sensation. As the introducers of this variety, we feel justified in predicting that it will become a very popular Dahlia. The form and color are really wonderful. Its very large, glistening salmon-orange flowers are held proudly erect on the strongest of stems. Free flowering and a vigorous grower. This fine new Dahlia should be in every garden. 75 cts. each, \$7.50 per doz.

SATAN. Semi-C. Large, uniformly shaped flowers of bright scarlet, with yellow appearing on the reverse of the center petals when the flowers are first opening. A tall-growing variety, with long stems suitable for cut-blooms. \$1 each, \$10 per doz.

SUNRISE TRAIL. F.D. The beautiful blending of scarlet and gold held the attention of visitors to our gardens. An unusual, outstanding variety that should be in everyone's garden. Flowers are very large and held well above the foliage on long, strong stems producing an abundance of perfect blooms throughout the season. 75 cts. each, \$7.50 per doz.

THE WORLD. F.D. Rich deep rosy magenta overlaid violet, with silver shadings on edges of petals. A strong, thrifty grower and free bloomer. 50 cts. each, \$5 per doz.

VIOLET WONDER. F.D. A very free-flowering Dahlia of giant size. Beautiful hyacinth-violet, lightening to bluish purple. The best of this color. 50 cts. each, \$5 per doz.

WHITE KING. F.D. New. A pure white, large-flowering Dahlia of very beautiful form and substance. Free flowering, on long stems. Splendid for the garden, cutting or exhibition. 50 cts. each, \$5 per doz.

WHITE WONDER. I. D. The giant blooms are pure white, with long, pointed, twisted, and curled petals, giving the flower a light, fluffy appearance. We consider this one of the finest new white Decorative Dahlias, if not the finest. \$1 each, \$10 per doz.

YORK & LANCASTER. F.D. Very large, finely formed Dahlia of bright crimson tipped white. A free-flowering bicolor, on splendid stems. 50 cts. each, \$5 per doz.

CHOICE CACTUS DAHLIAS

We offer below a choice list of Cactus Dahlias which have proved to bloom well under varying conditions. They are all excellent cut-flower varieties, as well as splendid varieties for garden decoration. While numerous Dahlia enthusiasts are growing the Decorative type of Dahlias on account of their massiveness, the Cactus Dahlia is still preferred by many flower-lovers on account of its artistic appearance.



Cactus Dahlia, Paul Pfitzer

AMBASSADOR. S.C. An outstanding Dahlia at many of the Dahlia exhibitions, and considered by many as being one of the best and most artistic of recent Dahlia introductions. Its color is, perhaps, best described as a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening towards the tips. The flowers are of largest size and are set just right on perfect stems. A strong grower and free bloomer. \$1 each, \$10 per doz.

AMERICAN TRIUMPH. I.C. Bright clear Oriental red, of large exhibition size. The best of its color. 75 cts. each, \$7.50 per doz.

BALLET GIRL. I.C. A very striking variety as it has flowers of orange tipped white, clear orange, and white striped orange on the same bush—all large and beautiful. 50 cts. each, \$5 per doz.

CALIFORNIA BEAUTY. S.C. Pure copper-colored flower of fine form. Free flowering on fine stems. 35 cts. each, \$3.50 per doz.

COUNTESS OF CLAVERLY. Semi-C. We are extremely fortunate in being able to offer to our customers this very fine Dahlia which is, without doubt, the finest, irresistible, real pink Semi-Cactus Dahlia, bearing full flowers, 8 to 10 inches across, from early in the season until killed by frost. It is a very vigorous grower, with fine stems, and a prolific bloomer. The flowers are excellent keepers and are even more beautiful under artificial light than outdoors. A sensation wherever shown. \$1 each, \$10 per doz.

EMMA MARIE. Semi-C. Lovely clear pink, creamy white center; deep, full-centered flowers. Blooms freely on fine stems. 35 cts. each, \$3.50 per doz.

F. W. FELLOWES. S.C. We consider this one of the best Cactus varieties ever raised. The flowers are of unusual size for the long, narrow-petaled type, and of intense coral-red color with deeper suffusion toward the center. A leader in this type at all Dahlia exhibitions or for the garden. Excellent as a cut-flower. 75 cts. each, \$7.50 per doz.

ELKRIDGE. Semi-C. This large, pure white variety is of fine form and great substance. It flowers very freely on long, strong stems. Has won many prizes. 50 cts. each, \$5 per doz.

LA MEXICANA. Semi-C. A fine free-blooming Dahlia of burnt-orange, toning to copper, the ends of the petals slightly touched with gold. 50 cts. each, \$5 per doz.

LORNA DOONE. I.C. Soft salmon-buff with slight pink suffusion. Fine form and free flowering. 35 cts. each, \$3.50 per doz.

PAUL PFITZER. C. A straight Cactus Dahlia with magnificent giant flowers which are borne most freely on strong, wiry stems. The color of the dainty, graceful petals is a lavender-rose with a lovely suffusion of lilac. Toward the base the petals are yellow. It is, without question, one of the finest introductions of recent years. \$1 each, \$10 per doz.

ROYCROFT. Semi-C. Large, finely formed Semi-Cactus of cinnamon-buff, deepening to russet. Very prolific bloomer. Fine stems. Vigorous grower. 35 cts. each, \$3.50 per doz.

POMPON DAHLIAS

We offer below a select list of these beautiful Pompon Dahlias, a miniature form of the Show Dahlias, having the same ball-like form, but much smaller in size. The plants are also smaller, of branching habit, and produce an endless profusion of flowers, which are invaluable for table decoration and boutonnieres.

***Amber Queen.** Light amber.

***Bobby.** Deep plum.

***Edith Muller.** Rosy orange and yellow.

***Fashion.** Orange.

***Golden Beauty.** Bright yellow.

Hazel Del. Rose-pink.

***Indian Chief.** Rich red tipped white.

Madeline. Yellow and rose.

***Red Gem.** Rich deep red.

Snowbird. Pure white.

Any of above, 30 cts. each, \$3 per doz.

COLLECTION: One root each, 7 varieties marked (*), \$1.50

NEW CENTURY SINGLE DAHLIAS

We offer below a list of the best varieties of these Dahlias. They are very popular for garden decoration or for cutting.

CRIMSON GIANT. Very large, deep crimson flower of fine form. 35 cts. each, \$3.50 per doz.

JAZZ CENTURY. Primrose, flushed bronzy red. 75 cts. each, \$7.50 per doz.

NEWPORT PINK. A very attractive flower of soft Chatenay pink. Very decorative. 75 cts. each, \$7.50 per doz.

ROSE-PINK CENTURY. Flowers 6 inches and over in diameter, of a clear rose-pink color. A strong grower with long, stiff stems. Fine for cutting. 35 cts. each, \$3.50 per doz.

SNOWFLAKE. A large, pure white variety, with golden yellow center. Extremely dainty. Very free bloomer. 35 cts. each, \$3.50 per doz.

TANGO CENTURY. One of the loveliest bronzy yellow Singles. Good stems. Free bloomer. 35 cts. each, \$3.50 per doz.

COLLECTION: One each of 6 varieties, \$2.50

Books on the Dahlia

Dahlia, The Amateur's Book of the. By Mrs. C. H. Stout. Most exhaustive book on the subject. Illustrated. \$3.

Dahlia Culture, Modern. By W. H. Waite. Brief, clear, complete, based on the actual operations and results of a practical, experienced grower, propagator and exhibitor. 132 pages. \$1.50.



Pompon Dahlias

GARDEN FULL OF DAHLIAS FOR \$2 Retail Value \$4.60

8 Distinct Exhibition Dahlias Sold in Collection Only

In the past we have offered 12 distinct unnamed Dahlias at a special price. We are pleased to announce that we have been able to improve this offering this year, due to a good crop, by making a special offer of 8 distinct named varieties for \$2, which if bought separately would cost \$4.60.

Bob White. White.
Flaming Sword. Flame-red.

Francis Larocco. Yellow.
Jane Cowl. Bronze.

Jersey's Beauty. Pink.
Pink Glory. Rose-lavender.

Red Sunrise. Vivid red.
Salmon Supreme. Salmon-pink.

GLADIOLUS *The Cream of the World's Best Varieties*

Most popular of all summer-flowering bulbous plants



Field of Gladiolus growing on our Farms. Here the Long Island soil produces Gladiolus bulbs of strong vitality.

Few of the Summer-flowering Bulbous Plants have met with the same increased interest that Gladiolus have in the past ten years. Their adaptability for the garden or cut-flower use during summer and autumn months is not surpassed by any other bulbous plant.

Care of Dormant Bulbs. On Gladiolus corms which our clients desire to hold for successive planting from May 1 until July, it is suggested that those required for early summer planting be kept in air-tight containers in a cool place. Some of our patrons who plant Gladiolus July 15 for September flowers, order these bulbs in the springtime. These are stored in our cold-storage warehouse in April and are kept in first-class condition for planting in the summer. In the latitude of New York, July 15 is the latest advisable time to plant.

All Bulbs furnished 6 at the dozen rate, 25 at the 100 rate

Aflame. (*Primulinus.*) Large; bright flame-color, deepening to rose in the center. Tall spikes. 65 cts. per doz., \$4.50 per 100.

Albatross. One of the finest pure white Gladiolus, without a trace of other color. Strong-growing variety. 85 cts. per doz., \$6 per 100.

Alice Tiplady. (*Primulinus.*) Tall, straight spikes with ten to twelve blooms. Immense flowers of brilliant orange-salmon, with golden throat. 50 cts. per doz., \$3.50 per 100.

Amador. Probably the most brilliantly colored red variety in our list. The flowers are large and of an intensely glowing shade of scarlet that compels attention. Grows vigorously and is seldom affected by mid-summer heat. \$3.50 per doz., \$25 per 100.

Apricot Glow. (*Primulinus.*) The flowers are large, unusually well opened, and of a clear, rich shade of apricot. 60 cts. per doz., \$4 per 100.

Ave Maria. Large, light blue flowers with small purple blotches, well placed on a strong stem. 75 cts. per doz., \$5 per 100.

America. Discarded for Mrs. P. W. Sisson.

Bagdad. Unusual in color, size, and perfect placement of the florets. The attractive smoky rose color is deeper at the edges, with lighter throat. Six or more flowers are open at one time. \$1.40 per doz., \$10 per 100.

Baron Hulot. Discarded for Veilchenblau.

Berty Snow. One of the finest soft rosy lavender-colored Gladiolus. Flowers are very large and well placed on long, strong spikes. 75 cts. per doz., \$5 per 100.

Betty Nuthall. A warm, light coral with pale orange throat and a light feathering of carmine. Flowers often 6 inches across. 60 cts. per doz., \$4 per 100.

Bill Souden. Fine new variety, producing immense blooms of a rich deep shade of red. Splendid for exhibition. \$1 per doz., \$7 per 100.

Blue Danube. Striking pure amethyst-blue, with contrasting blotch of dark blue. A fine tall-growing variety. \$1.40 per doz., \$10 per 100.

Blue Triumphator. Probably the largest blue Gladiolus in cultivation. Soft China blue, suffused silver. \$1.15 per doz., \$8 per 100.

Bleeding-Heart. A leading new variety among the pinks. Light pink with a large red blotch. \$1.15 per doz., \$8 per 100.

Cardinal Prince. Pure cardinal-red throughout. Splendid color. Strong grower and unusually reliable. 50 cts. per doz., \$3.50 per 100.

Carminea. A new English introduction that is considered the finest of its color. Clear carmine-red throughout. \$2 per doz., \$15 per 100.

Charles Dickens. Strong, graceful spikes, often 5 feet tall, bearing large flowers of purple-violet. 75 cts. per doz., \$5 per 100.

Christabel. Huge blooms, measuring 6 inches across. Color is soft La-France-pink with sulphur-yellow throat. This variety produces a fine, full spike with as many as ten florets in full bloom at one time. \$6.50 per doz., \$45 per 100.

Commander Koehl. Brilliant scarlet-blood-red, with large flowers on a tall, strong stem. This new European introduction is classed as one of the finest red varieties. \$1.15 per doz., \$8 per 100.

Copper Bronze. (*Primulinus.*) Deep salmon-bronze, suffused with copper. The petals are tipped with a metallic tint of deep bronze. 60 cts. per doz., \$4 per 100.

Copernicus. A European novelty. Color rich brilliant orange-bronze. Received wide-spread commendation at the World's Fair. \$2 per doz., \$15 per 100.

Coryphee. Invariably produces eight to ten large, well-formed flowers of the purest pink imaginable. \$1 per doz., \$7 per 100.

Crimson Glow. Discarded for Cardinal Prince.

Dignity. One of the leading English introductions. Rich shade of clear pink. Splendid for exhibition. \$1.60 per doz., \$12 per 100.

Dr. L. H. Bailey. Velvety rose-red with deeper throat-blotch. Very attractive and a general favorite. 85 cts. per doz., \$6 per 100.

Dr. F. E. Bennett. There is no other variety to compare with this in its color class. The immense blooms are of deep flame-scarlet. Flowers are wide open and held on tall, stiff stems. Truly a marvelous variety. 75 cts. per doz., \$5 per 100.

E. J. Shaylor. Tall, very strong plants and large blooms of a beautiful deep rose-pink. 65 cts. per doz., \$4.50 per 100.

Ethelyn. (*Primulinus.*) Beautiful orange-yellow, similar to Orange Queen, but with a clear lip instead of orange lines. 65 cts. per doz., \$4.50 per 100.

Flaming Meteor. Most fittingly named, a new and outstanding Gladiolus producing spikes of a spectacular flaming red, with florets of immense size. It promises to be one of the finest Gladiolus for exhibition. \$6.50 per doz., \$45 per 100.

Gate of Heaven. Destined to be one of the leading yellow varieties. In color it is probably the deepest yellow in cultivation. Nicely formed spike. \$3.50 per doz., \$25 per 100.

Giant Nymph. Light rose-pink, with creamy yellow throat; very large, wide-open flowers, on long stems. 60 cts. per doz., \$4 per 100.

Gloriana. (*Primulinus.*) Fine, large, well-opened blooms of attractive salmon, shaded with gold; throat pure yellow. 60 cts. per doz., \$4 per 100.

Golden Dream. Pure golden yellow, with tall, straight stems. A variety particularly suited for cut-flowers. 65 cts. per doz., \$4.50 per 100.

Golden Measure. Quite similar to Golden Dream but of a deeper shade of yellow. Equally well suited for cut-flowers. 65 cts. per doz., \$4.50 per 100.

Halley. Largely grown on account of its earliness. Beautiful salmon-pink, with creamy white blotch in throat. 50 cts. per doz., \$3.50 per 100.

Heavenly Blue. The flowers are aniline-blue, as its name indicates. A real, first-class variety with very long spikes, having more than ten blooms open at one time. \$1 per doz., \$7 per 100.

GLADIOLUS *The Cream of the World's Best Varieties*

CULTURE.—Any good garden soil will grow Gladiolus well, provided they are planted in a sunny location. Bulbs should be planted 4 inches deep and at least 6 inches apart; frequent cultivation with a hoe or a weeder, around the base of the plant, to prevent the soil from becoming hard and dry, is advisable. Where desired for garden decoration or exhibition, we advise plants being staked after attaining the height of one foot. (We offer light green dyed bamboo canes, which are excellent for this purpose). Water copiously, and as the flower-buds begin to form, apply liquid manure for the best results.

Hinemoa. A distinct, new variety from New Zealand, bearing huge, wide-open deep rose-pink flowers, flaked with chocolate, and with a bold yellow blotch. Many flowers open at one time. \$1.60 per doz., \$12 per 100.

La Paloma. (*Primulinus*.) An exceptionally large-flowered variety of pure, vivid orange. 60 cts. per doz., \$4 per 100.

Los Angeles. Beautiful shrimp-pink, with glowing orange-carmine blotch in throat. Tall and graceful; blooms for a long time. 60 cts. per doz., \$4 per 100.

Loyalty. This variety has been featured by us, as we consider it the outstanding yellow in our list. The flowers are large, many open at one time, and of a clear, pure shade of yellow. For exhibition purposes it is unrivaled. 85 cts. per doz., \$6 per 100.

Maiden's Blush. (*Primulinus*.) A very popular variety on account of its beautiful shell-pink color and earliness. 60 cts. per doz., \$4 per 100.

Mammoth White. Probably the largest flowered Gladiolus grown. The florets will measure up to 7 inches across, and are pure white. Grows 5 feet tall. \$1 per doz., \$7 per 100.

Mildred Louise. Pure salmon-pink, with the lower petals tipped strawberry-pink, yellow throat. Flowers are 5 to 6 inches across, triangular shaped and wide open. The stems are strong and flexible, carrying from 18 to 22 florets. This variety produces one of the finest spikes of bloom, combined with attractive color, that can possibly be obtained in Gladiolus. \$1.60 per doz., \$12 per 100.

Marmora. Lavender to lavender-gray with petunia-colored blotch. Flowers very large, well arranged on tall, strong stems. 75 cts. per doz., \$5 per 100.

Minuet. Considered by both Gladiolus enthusiasts and commercial florists as the last word in a light lavender Gladiolus. The blooms are of beautiful clear, light lavender, with four to six large, heavily textured blooms open at one time on a good, strong stem. 85 cts. per doz., \$6 per 100.

Moorish King. A new and unusual Gladiolus. Dark velvet mahogany-maroon, with foliage that is also dark and of striking appearance. The flowers are large and of almost leather-like substance that makes them last long as a cut-flower. \$3 per doz., \$20 per 100.

Mother Machree. Lavender, overlaid with salmon-pink on the edges. Large flowers, six or more open at one time. \$1 per doz., \$7 per 100.

Mr. W. H. Phipps. Huge flowers, perfectly placed on a tall stem, are clear La-France-pink, overlaid with glowing salmon-rose, frequently speckled with ruby. 65 cts. per doz., \$4.50 per 100.

Mrs. Anna Pfitzer. Creamy white flowers, 5 inches across, shaded with soft yellow and green. Twelve blooms or more open at one time. \$1.60 per doz., \$12 per 100.

Mrs. Dr. Norton. Delicate cream and pink, deepening toward the edges; sulphur-yellow center. Flowers widely expanded. 65 cts. per doz., \$4.50 per 100.

Mrs. F. C. Hornberger. Snow-white, with just a faint flush of ivory, or perhaps a tint of pink, only noticeable on careful examination. Large, ruffled flowers have made it immensely popular. 60 cts. per doz., \$4 per 100.

Mrs. Francis King. Brilliant flamingo-pink, blazed with vermilion-red. Popular variety on account of its attractive color. 60 cts. per doz., \$4 per 100.

Mrs. Frederick C. Peters. Rose-lilac, with crimson blotch bordered white on lower segments. Somewhat resembles an orchid in color. 60 cts. per doz., \$4 per 100.

Mrs. Frank Pendleton. Salmon-pink which extends to reverse side of the petals as well as in the center, with a rich, deep maroon blotch on the three lower petals. 60 cts. per doz., \$4 per 100.

Mrs. William Cuthbertson. Intensely ruffled cherry-pink, with large white center. As many as 8 florets open at one time on a perfect spike. Greatly admired at the World's Fair. \$1.60 per doz., \$12 per 100.

Mrs. Leon Douglas. Enormously large flowers of beautiful begonia-rose, striped with flame-scarlet, the lower petals pale lemon, speckled ruby. The tall, strong stems produce several side-shoots. 60 cts. per doz., \$4 per 100.

Mrs. P. W. Sisson. The color of this variety is a most pleasing shade of pure, cameo-pink, unmarked with any other color. Stems are sturdy and flowers of good size. 60 cts. per doz., \$4 per 100.

Mrs. T. E. Langford. A tall and vigorous-growing variety of attractive apple-blossom-pink, flaked with canary-yellow in the throat. As many as ten florets open at one time. \$5 per doz., \$35 per 100.

Mrs. Van Konynenburg. Light blue, with an excellent spike and beautifully formed flowers. Free flowering and a vigorous grower. 85 cts. per doz., \$6 per 100.

Orange Queen. (*Primulinus*.) Purest apricot of a very warm tint; large, open flowers on good stem. One of the best *Primulinus*. 65 cts. per doz., \$4.50 per 100.

Peace. Discarded for Mrs. F. C. Hornberger.

Pelegrina. This variety was imported by us from Europe several years ago. It is one of the finest dark purple varieties ever introduced, with large individual florets. \$2 per doz., \$15 per 100.

Pfitzer's Triumph. One of the largest and finest Gladiolus. The blooms are at least 6 inches across, bright salmon-orange, with small velvety red blotches. 75 cts. per doz., \$5 per 100.

Picardy. There are other varieties in our list that have been recently catalogued, but none that approach Picardy in the wide-spread enthusiasm it has evoked among Gladiolus fans. The individual flowers are delicate apricot-pink, extremely large, somewhat ruffled, and of heavy, wax-like substance. We cannot recommend it too highly for both garden and exhibition purposes. 85 cts. per doz., \$6 per 100.

Phaenomen. A very pleasing combination of the softest pink and finest yellow—both the loveliest shades conceivable. \$1.15 per doz., \$8 per 100.

Purple Glory. Deepest velvety maroon with almost black blotches. Large, ruffled flowers on very tall, sturdy stems. 75 cts. per doz., \$5 per 100.

Red Phipps. Like Mr. W. H. Phipps, the free-flowering habit and strong growth of this variety has made it a general favorite. In color it is a rich glowing red. \$1.40 per doz., \$10 per 100.

Rosabella. Soft rose with white throat and a white blotch on the lower part of the petals. A fine variety in this color; tall and strong-growing. \$3 per doz., \$20 per 100.

Scarlet Wonder. Few Gladiolus are as strong growers as this splendid variety. The flowers are large, many open at one time, and of a rich, velvety scarlet. 75 cts. per doz., \$5 per 100.

Schwaben. Discarded for Loyalty.

Schwaben Girl. A new pure pink variety of European origination that promises to be a great favorite when better known. \$1.60 per doz., \$12 per 100.

Souvenir. (*Primulinus*.) Of the many shades and tints in this beautiful type of Gladiolus, we consider Souvenir as being the best pure yellow. 60 cts. per doz., \$4 per 100.

Sweet & Lovely. (*Primulinus*.) Saffron, tinted with orange. When cut in bud and staged in the home it develops a very delicate, yet distinct, fragrance. \$1.60 per doz., \$12 per 100.

Troubadour. Large, impressive, dark violet flowers, beautifully arranged on the stem with ten to twelve open at one time. 85 cts. per doz., \$6 per 100.

Veilchenblau. Fine violet-blue flowers with pansy-purple blotches. The entire flower gives an impression of a velvety sheen. We consider it far superior to Baron Hulot, which we have now discarded from our list. 85 cts. per doz., \$6 per 100.

Virginia. Large, massive flowers of flaming scarlet, many opening at one time. 75 cts. per doz., \$5 per 100.

Wasaga. (*Primulinus*.) Clear golden buff throughout, without a trace of any other color. Petals are somewhat ruffled, and carried gracefully on strong stems. \$2 per doz., \$15 per 100.

Wilhelm Pfitzer's Memory. Handsome, 6-foot spikes of pure, snow-white flowers. Wonderful exhibition variety. \$1.40 per doz., \$10 per 100.

Wuertembergia. Brilliant scarlet with cream blotch. A great favorite at the World's Fair and considered to be one of the finest scarlet Gladiolus. Newly introduced from Europe. \$1.15 per doz., \$8 per 100.

Yellow Perfection. One of the earliest and best Yellow Gladiolus, often flowering in 60 days and producing tall spikes of clear soft yellow. \$1.15 per doz., \$8 per 100.

Primulinus Hybrids Mixture

Our hybrids range in color from pale sulphur-yellow-apricot to the deepest chrome-yellow and excellent shades of pink, orange, and scarlet. We are pleased to offer this splendid mixture and suggest that our patrons try some, as for artistic decorations these flowers borne on long-slender spikes are wonderful. 50 cts. per doz., \$3.50 per 100.

American Hybrids Mixed

We include a splendid variety of named sorts. The mixture has a popular price so as to encourage liberal planting. They are well matured and good growers; excellent for cut-flower purposes or for planting in mixed borders. 50 cts. per doz., \$3.50 per 100.

Gladiolus for September Blooming

Many of our patrons desire Gladiolus Bulbs for September bloomings. In the neighborhood of New York they should be planted July 1. Order your Bulbs in April. We reserve same and place in our Cold Storage Warehouse.

HARDY PERENNIAL PLANTS



Our list of plants comprises many new introductions, all of which have been submitted to a rigid test on our Nursery grounds located at Farmingdale, L. I., N. Y.

ACÆNA microphylla.★ Minute greenish flowers followed by reddish seed vessels. 1 in. June. \$1.20 for 3, \$4 per doz.

ACHILLEA chrysocoma.★ Fern-like foliage and golden flowers. 1 ft. July.

Filipendulina. Fernleaf Yarrow. Flat heads of yellow flowers. 3½ ft. June.

Millefolium roseum. Finely cut foliage. Pink flowers. 1½ ft. Aug.

Tomentosum.★ Ideal for the rock-garden. Bright yellow. 6 in. June.

ACONITUM bicolor. Blue or white flowers. Very effective in a group. 3½ ft. Aug. \$1.20 for 3, \$4 per doz.

Fischeri. Dark blue with a lilac cast. 3 ft. Sept. 90 cts. for 3, \$3 per doz.

Napellus. Rich dark blue. 4 ft. Aug. 90 cts. for 3, \$3 per doz.

Sparks' Variety. Rich darkest blue. 5 ft. Aug. 90 cts. for 3, \$3 per doz.

Wilsoni. The true variety. Late, with massive spikes of mauve flowers. 6 ft. Sept. \$1.50 for 3, \$5 per doz.

ÆTHIONEMA, Warley Rose.★ A miniature *Daphne Cneorum* covered with deep rose flowers. 6 in. May. Plants from 3-in. pots, 50 cts. each; 4-in., 75 cts.

Schistosum.★ Masses of prostrate gray-green foliage. Pink flowers. 6 in. June. \$1.50 for 3, \$5 per doz.

AGROSTEMMA Coronaria. Showy plant with silvery foliage and crimson flowers. 2½ ft. June.

Coronaria alba. White. 2½ ft. June.

ALYSSUM rostratum.★ An effective plant for rock-gardens or walls. Yellow flowers. 9 in. June. 90c. for 3, \$3 per doz.

Saxatile.★ The well-known "Basket of Gold." 1 ft. May.

Saxatile fl.-pl.★ Double-flowering form of Saxatile. Rich golden yellow. Compact. 9 in. May. \$1.20 for 3, \$4 per doz.

ANCHUSA italica, Dropmore. Produces a fine effect in the border with its spikes of bright blue flowers. 4 ft. July.

Myosotidiflora.★ A dainty plant producing a mass of forget-me-not-like flowers of a beautiful shade of blue. 1½ ft. June. 90 cts. for 3, \$3 per doz.

AJUGA Brockbanki.★ Bright, shiny leaves and spikes of blue flowers. 6 in. June.

Genevensis.★ Splendid for the shady rock-garden. Deep blue. 6 in. May.

Metallica.★ Bronze foliage. Blue flowers. An ideal ground-cover. 6 in. June.

Metallica crispa.★ Compact, with deep green crinkly leaves shaded with a metallic hue. 4 in. June. 50 cts. each.

Reptans alba.★ A white-flowered Ajuga. 6 in. June.

Reptans purpurea.★ Rich bronze-purple leaves and blue flowers. 6 in. June.

Reptans variegata.★ Pale green and white leaves. Blue flowers. 4 in. May.

ANEMONE hupehensis. Early flowering. Rosy mauve. 15 in. Aug. 90 cts. for 3, \$3 per doz.

Pulsatilla.★ Violet-purple flowers. 9 in. May. 90 cts. for 3, \$3 per doz.

Sylvestris.★ Snowdrop Anemone. White. 1 ft. May. 90 cts. for 3, \$3 per doz.



Aquilegia, Long-spurred Hybrids

ANEMONE japonica alba. Single. White flowers. 2½ ft. Sept. 90c. for 3, \$3 per doz.

Geant des Blanches. Large, white flowers. 3 ft. Aug. 90 cts. for 3, \$3 per doz.

Louise Uhink. Semi-double; white. 3 ft. Sept. 90 cts. for 3, \$3 per doz.

Max Vogel. Semi-double; rose-pink. 2½ ft. Sept. 90 cts. for 3, \$3 per doz.

Queen Charlotte. Silvery salmon-rose. 3 ft. Sept. 90 cts. for 3, \$3 per doz.

September Charm. Very free flowering. 2 ft. Sept. \$1.20 for 3, \$4 per doz.

September Sprite.★ Single flowers of soft pink and mauve. 1½ ft. Aug. \$1.20 for 3, \$4 per doz.

Whirlwind. Excellent double white. 2½ ft. Sept. 90 cts. for 3, \$3 per doz.

ANTENNARIA magellanica.★ Is grown chiefly for its leaves, which are a silvery gray. A good ground-cover. 3 in.

ANTHEMIS Kelwayi. Pretty lemon-yellow variety. 2 ft. June.

AQUILEGIA alpina.★ A short-spurred Columbine with bright blue flowers.

Long-spurred Varieties—

Blue Shades. 2½ ft. June.

Rose and Pink Shades. 2½ ft. June.

Scarlet Shades. 2½ ft. June.

Yellow Shades. 2½ ft. June.

S. & W. Co.'s Hybrids. 2½ ft. June.

ARABIS albida fl.-pl.★ Pure white, double flowers. 9 in. May.

Rosea.★ Compact plant covered with delicate rose-pink flowers. 6 in. May.

Procurrens.★ Prostrate plant with evergreen leaves; white. 4 in. May.

ARENARIA grandiflora.★ Mats of foliage with white flowers. 9 in. May-Sept.

Verna cæspitosa.★ Bright green mats with dainty white flowers. 4 in. May. 90 cts. for 3, \$3 per doz.

Verna cæspitosa aurea.★ Yellow form. 4 in. June. \$1.50 for 3, \$5 per doz.

ARMERIA cæspitosa. Grassy tufts covered with heads of pale pink flowers. 4 in. June. \$1.50 for 3, \$5 per doz.

Laucheana.★ Tufts of grassy leaves. Large pink flowers. 9 in. May-Sept.

Maritima alba.★ White flowers. 9 in. May. 90 cts. for 3, \$3 per doz.

★Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

● Herb plants

Purchaser pays transportation beyond 50 miles of New York

A Well-Planned Perennial Border Furnishes Cut-Bloom from May to October

ARNICA alpina.★ Useful rock - garden plant. Yellow. 1½ ft. June. 90 cts. for 3, \$3 per doz.

ARTEMISIA Abrotanum.● *Southernwood.* A glabrous green subshrub with pinately divided leaves. Aromatic. 4 ft. Small plants in 3-in. pots, 90 cts. for 3, \$3 per doz.; large plants in 5-in. pots, 50 cts. each, \$5 per doz.

Absinthium.● Silvery green, silky leaves and yellow flowers. 3 ft. Small plants in 3-in. pots, 90 cts. for 3, \$3 per doz.; large plants in 5-in. pots, 50 cts. each, \$5 per doz.

Argentea.● Very much like the popular variety, Silver King, with heavier foliage. 3 ft., 90 cts. for 3, \$3 per doz.

Dracunculus.● *Tarragon.* See page 61.

Lactiflora. Sweet-scented, cream-white flowers, excellent for cutting. 4 ft. Aug.

Frigida.★ Masses of gray, trailing foliage. Valuable ground-cover. 6 in. 90 cts. for 3, \$3 per doz.

Silver King. White, finely cut leaves that are useful for decorating when dried. 3 ft.

Stelleriana.● Vigorous grower with silvery white foliage. 2 ft.

ASPERULA tinctoria.★ Starry white flowers in great profusion. 1 ft. June. 90 cts. for 3, \$3 per doz.

ASTER novæ-angliæ.

Barr's Pink. Large, bright pink flowers. 5 ft. Sept. 90 cts. for 3, \$3 per doz.

Mrs. Raynor. A strong grower with crimson-red flowers of good form. 5 ft. Sept. 90 cts. for 3, \$3 per doz.

Mrs. S. T. Wright. Rich rosy purple. 5 ft. Sept. 90 cts. for 3, \$3 per doz.

Red Rover. Glowing rose-crimson—the deepest red Aster in this section. 3 ft. Oct. \$1.50 for 3, \$5 per doz.

ASTER novæ-belgi.

Blue Eyes. The nearest approach to a blue Aster. Flowers rich lavender-blue. 3 ft. Sept. \$1.05 for 3, \$3.50 per doz.

Blue Gem. Semi-double, rich clear blue flowers. 4 ft. Sept. 90 cts. for 3, \$3 per doz.

Climax. Large clear light blue. 5 ft. Sept.

Glory of Colwall. Double lavender flowers. 4 ft. Sept.

Lady Lloyd. Rosy pink with a purple sheen. 4 ft. Sept.

Queen Mary. Rich blue flowers in pyramidal trusses. 4 ft. Sept.

Royal Blue. Covered with masses of deep lavender-blue flowers. 3½ ft. Sept. \$1.05 for 3, \$3.50 per doz.

Shorti. Long, graceful sprays of azure-blue flowers. 3½ ft. Sept.

Skylands Queen. Large flowers of an attractive shade of light blue. 3 ft. Sept. \$1.05 for 3, \$3.50 per doz.

Sunset. Ideal border Aster of a definite pink suffused blue. 3 ft. Sept. 90 cts. for 3, \$3 per doz.

Ypres. Compact plant with rosy red flowers. 3½ ft. Sept.



Aster, Queen Mary

ASTER, New Dwarf Hybrids. See color on page 76. This new race of Dwarf Asters has been well received by the gardening public. They are most valuable in supplying color in the border and rock-garden in August and September. 9 to 12 in. Aug., Sept.

Countess Dudley.★ Clear pink.

Lady Henry Maddocks.★ Pale pink.

Marjorie.★ Bright rose-pink.

Ronald.★ Lilac-pink.

Snowsprite.★ White.

Victor.★ Lavender-blue.

Any of above Asters, 30 cts. each, \$3 per doz.

ASTER (Various species).

Alpinus, Goliath.★ Large purplish flowers. 1 ft. June.

Amellus, King George. Very large; rich blue. 2 ft. July. 90 cts. for 3, \$3 per doz.

Frikarti. A very free-flowering hybrid of *A. Amellus*, producing charming blue flowers of elegant branching habit. 2 ft. Aug. (See color on page 76.) 50 cts. each, \$5 per doz. Large plants in 5-in. pots, \$1 each, \$10 per doz.

Mauve Cushion.★ Distinct in habit, forming a cushion-like plant. Flowers are delicate mauve. 9 in. Sept. 90 cts. for 3, \$3 per doz.

Salviæfolius.★ A rare species of the Japanese alpine group. The plants form rosettes of downy foliage and single white flowers. 9 in. Sept. \$1.50 for 3, \$5 per doz.

Tataricus. A strong grower, useful in the wide borders, bearing bluish violet flowers during September. 5 ft.

ASTILBE. See *Spirea*.

AUBRIETIA.★ For the rock-garden. They form carpets of blue, violet, and mauve during April and May. 6 in.

Dr. Mules.★ Violet-purple

Gracea.★ Dark violet.

J. S. Baker.★ Violet-blue with white eye.

Lavender Queen.★ Soft lavender-blue.

Choice Mixed Colors.★

Above Aubrietias, 90 cts. for 3, \$3 per doz.; large 2-yr. clumps, 50 cts. each, \$5 per doz.

AURICULA. See *Primula Auricula*.

BAPTISIA australis. Dark blue flowers in long racemes. 3 ft. June. 1-yr. plants, 3 for 75 cts., \$2.50 per doz.; 2-yr., 3 for \$1.20, \$4 per doz.; 3-yr., 3 for \$1.50, \$5 per doz.

BALM. See *Melissa officinalis*.

BEE BALM. See *Monarda*.

BOCCONIA cordata. *Plume Poppy.* Large plant for the wide perennial border. Creamy flowers. 6 ft. July.

BOLTONIA asteroides. Single, white aster-like flowers. 5 ft. Aug.

Latisquama. Lilac-pink variety. 5 ft. Aug.

BRUCKENTHALIA spiculifolia.★ Dwarf, evergreen, heath-like flowering shrub with pink flowers. 9 in. July. Plants in 3-in. pots, \$1.50 for 3, \$5 per doz.; 6-in. field-grown, 75 cts. each.

CALLIRHOE involucrata.★ Trailing plant. Flowers saucer-shaped, bright rosy crimson. 9 in. July. 90 cts. for 3, \$3 per doz.

CALLUNA.★ (See, also, *Erica*.) Hardy evergreen flowering shrubs. Plant in moist, open beds, borders, or rock-gardens; likes a peaty soil.

Cuprea.★ Golden, turning to bronze-pink. 8 to 10 in. 75 cts. each, \$7.50 per doz.

Vulgaris.★ *Scotch Heather.* Purple. 15-18 in., \$1 each, \$10 per doz.; 18-24 in., \$1.50 each, \$15 per doz.

Vulgaris alba.★ A white Heather. 6-8 in. 50 cts. each, \$5 per doz.; 10-12 in., 75 cts. each, \$7.50 per doz.

Vulgaris Alporti.★ A crimson-flowered heather 6 to 8 inches high. 50 cts. each, \$5 per doz.

Vulgaris aurea.★ Pink flowers. Foliage yellow. 4-6 in. 50 cts. each, \$5 per doz.

Vulgaris rosea.★ Rose-colored Heather. 4-6 in. 50 cts. each, \$5 per doz.

Customers desirous of acquiring a stock of the above Callunas to grow on for extensive plantings can be supplied with plants in 2½-in. pots, our selection, at \$25 per 100.

CAMPANULA carpatica.★ Grows in compact tufts, and bears clear blue flowers. 6 in. July. 90 cts. for 3, \$3 per doz.

Carpatica alba.★ White form of above. 6 in. July. 90 cts. for 3, \$3 per doz.

Garganica.★ Clear deep blue with white eye. Trailing habit. 4 in. July. 90 cts. for 3, \$3 per doz.

Erinus.★ Pale blue but more compact than Garganica. 4 in. July. 90 cts. for 3, \$3 per doz.

Glomerata superba. A general favorite. Large, close heads of deep blue. 1½ ft. July. \$1.05 for 3, \$3.50 per doz.

Muralis.★ Prostrate habit. Deep lavender flowers. 4 in. July. \$1.20 for 3, \$4 per doz.

Persicifolia alba. Snowy white bells, valuable for cutting. 2½ ft. June. 90 cts. for 3, \$3 per doz.

Telham Beauty. Long, wiry stems clothed with single, bell-shaped, lavender-blue flowers. 4 ft. July. \$1.05 for 3, \$3.50 per doz.

Pyramidalis. Tall blue Chimney Bell-flower. 5 ft. Aug. 90 cts. for 3, \$3 per doz.

Pyramidalis alba. Tall white Chimney Bellflower. 5 ft. Aug. 90 cts. for 3, \$3 per doz.

Raddeana.★ Violet - purple, bell - shaped flowers. 1 ft. 90 cts. for 3, \$3 per doz.

Rotundifolia.★ *English Harebell.* Dainty blue bells on wiry stems. 9 in. June.

Turbinata.★ Produces an abundance of violet-blue flowers. 6 in. July. 90 cts. for 3, \$3 per doz.

Turbinata pallida.★ Soft porcelain-blue flowers. 6 in. July. 90 cts. for 3, \$3 per doz.

ASTER novi-belgi

Little Boy Blue. Bright blue, semi-double flowers produced on an upright, pyramidal stem which is completely smothered in bloom. 1½ ft. Sept. \$1.50 for 3, \$5 per doz.

Little Pink Lady. Large, semi-double, rich pink flowers on bushy plants. Both of the above varieties have received an Award of Merit, R. H. S. 1½ ft. Sept. \$1.50 for 3, \$5 per doz. 3 of each variety (6 plants), \$2.75

★Rock plants

Prices, unless otherwise noted, 75 cts. for 3, \$2.50 per doz.

Purchaser pays transportation beyond 50 miles of New York

●Herb plants

Plant Chrysanthemums to Have a Colorful Autumn Flower-Garden

CANTERBURY BELLS. *Campanula Medium.* These well-known biennials provide a fine show during June. 2 ft.

Single Light Blue
Single Dark Blue
Single Pink
Single White
Double Pink
Double White
Cup and Saucer, Light Blue
Cup and Saucer, Dark Blue
Cup and Saucer, Pink
Cup and Saucer, White

All Canterbury Bells, 75 cts. for 3,
\$2.50 per doz.

CARNATION, Dwarf Vienna.★ Useful plant for early summer display. 1 ft. June.
Hardy Border. Useful border plants in a choice mixture of colors. 1½ ft. July.

CARYOPTERIS Mastacanthus superbus. This new introduction is a free-flowering, woody plant 2 to 3 feet high. Its elegant, long branches are covered with whorls of attractive flowers in tiers during September and early October. See illustration in color on inside back cover. **Blue, Pink, or White.** Plants from 3-in. pots (in spring), 35 cts. each, \$3.50 per doz., \$25 per 100. Collection: One of each color, \$1. We offer plants from 5-in. pots in fall, \$1.50 for 3.

CATANANCHE caerulea. Heads of pretty blue flowers on long stems. 1½ ft. July.

CENTAUREA montana. Known as the "Perennial Cornflower." Violet-blue blooms. 1½ ft. July.

Montana alba. White form of above.

Ruthenica. Slender stems crowned with lemon-yellow, thistle-like flowers. 2½ ft. Aug. 1-yr. plants, 90 cts. for 3, \$3 per doz.; 2-yr., \$1.20 for 3, \$4 per doz.

CENTRANTHUS. Hardy border plant fine for dry positions on banks. 2½ ft. July.

Ruber. Heads of coral-red flowers.

Ruber albus. White form of above.

CEPHALARIA tatarica. *Giant Scabious.* Strong-growing plant with creamy white flowers. 6 ft. Aug. 90 cts. for 3, \$3 per doz.

CERASTIUM columnæ.★ Marked improvement over the older variety, the silver-gray foliage being more compact. 6 in. June. 90 cts. for 3, \$3 per doz.

Tomentosum.★ *Snow-in-Summer.* Silvery white foliage. Produces a mass of snow-white flowers. 9 in. Aug.

CHELONE barbata Torreyi. *Pentstemon barbatus Torreyi.* Slender flowers like red firecrackers. Very decorative. 3 ft. Aug.

Barbata, Pink Beauty. A bright shell-pink form of the above. 3 ft. Aug. 90 cts. for 3, \$3 per doz.

Glabra. Semi-shrubby plant with terminal spikes of creamy white flowers. 2½ ft. Aug. 90 cts. for 3, \$3 per doz.

Lyoni. Dark glossy foliage with spikes of purplish red flowers. 2½ ft. Aug. 90 cts. for 3, \$3 per doz.

CHEIRANTHUS Allioni. Orange blooms. Excellent for massing, forming sheet of bright color. 1 ft. June.

CHRYSANTHEMUMS, Hardy Border. These plants will fill the garden with color from September to November.

In September we have large clumps available of all autumn-blooming Chrysanthemums, ready to flower. Price—double these spring rates.



Hardy Chrysanthemums

CHRYSANTHEMUM maximum. The well-known Shasta Daisy.

Alaska. Large white flowers, invaluable for cutting. 2 ft. June.

Conqueror. An improved Shasta Daisy. 3½ ft. July.

Dwarf Avalanche. An ideal plant for the herbaceous border. 1 ft. July.

Mayfield Giant. Very large, free-flowering variety. 2½ ft. Aug.

Nipponicum. Shrubby plant with pure white flowers. Its late flowering season makes it very desirable. 2½ ft. Oct. Small plants from 3-in. pots, 90 cts. for 3, \$3 per doz.; large plants from 5-in. pots, \$1.50 for 3.

CHRYSANTHEMUM, ASTER-FLOWERING, STANDARD VARIETIES.

Angelo. Light pink.

Barbara Cumming. Extra-early. Yellow. Firelight. Early. Bright red.

Frances Whittlesey. Bronze and garnet. **Jean Treadway.** Lovely sparkling pink flowers 3 inches across.

Lillian Doty. Large; incurved; pink.

October Girl. Beautiful shade of pink.

R. Marion Hatton. Bright canary-yellow.

Ruth Cumming. Reddish bronze, with terra-cotta.

Ruth Hatton. White.

Tints of Gold. Early. Golden bronze.

Vivid. Rosy crimson or amaranth.

Mixed. All colors; not named.

POMPON OR BUTTON-SHAPED.

Early Bronze. An attractive color.

Irene. Dwarf, white Button.

Mrs. H. Harrison. Early. Blush-pink.

Yellow Gem. A perfect saffron ball.

Mixed. All colors; not named.

SINGLE EARLY-FLOWERING.

Alice Howell. Orange-yellow. Free flowering and early.

Dazzler. Early. Very bright red.

Donald Wells. The best white.

Golden Sun. Brilliant yellow.

Mrs. W. E. Buckingham. Excellent pink.

Mixed. All colors; not named.

Any of above varieties, 30 cts. each, 75 cts. for 3, \$2.50 per doz.

THE NEW KOREAN RACE 1936 Introductions

TWO NEW DOUBLE KOREANS.

Indian Summer. Vivid glowing orange, full, double flower, 3 inches across, in early October. 75 cts. each.

Romany. Soft glowing red with bronze tones. The blooms are full double, 3½ inches across. Flowers in early October. 75 cts. each, \$7.50 per doz.

THREE NEW SINGLE KOREANS.

Aphrodite. Flowers of a soft tint of pink practically cover entire plant. Strong grower; blooms in early October. 50 cts.

Saturn. Brilliant orange and bronze. Robust. Blooms in early October. 50c.

Venus. Beautiful lilac-pink. Very free flowering. The individual sprays are 2½ inches across. Blooms in late September. 50 cts. each, \$5 per doz.

EIGHT STANDARD KOREANS.

Daphne. A blending of daphne-pink with an underlying sheen of lilac-rose.

Ceres. Old-gold, blended with chamois-yellow and soft coppery bronze.

Apollo. Sparkling combination of bronze, red, and gold suffused.

Diana. Chatenay rose-pink, mingled with lilac-rose, varying according to the light.

Mars. Deep amaranth-red, changing to wine-red, overlaid with a velvety sheen.

Hebe. Soft luminous pink flowers with a faint silvery halo.

Orion. Brilliant canary-yellow with clear-cut, ray-like petals.

Vulcain. Glowing carmine-red which shades to a garnet-crimson.

Any of above 8, 35 cts. each, \$3.50 per doz.
Special Collection: One each of above 8 varieties, \$2.50

FIVE UNUSUAL VARIETIES.

Granny Scovill. Lovely, large flower, fully 5 inches across, and of nice, fluffy form. The color, a warm coral-bronze, fairly glows. In full bloom October 10.

Cavalier. Rich vermilion-red, single flowers which do not fade. Free-flowering, robust sort, making a gorgeous show from October 15 on.

Innocence. Dwarf hybrid of the Korean Chrysanthemum, useful for bordering, or grouping in the rockery. Seldom exceeds 1½ feet, spreads about 2 feet, and covered with pure white flowers, 2½ inches across, changing to soft pink.

Amelia. *Pink Cushion; Azaleamum.* Massive, globe-shaped plant covered with double lilac-pink blooms.

Morifolium. See inside back cover. Beautiful rose-pink, single flower about 1 inch across.

Any of above 5 varieties, 35 cts. each, \$3.50 per doz.

CIMICIFUGA racemosa.● *Snakeroot.* A handsome, shade-loving plant having spikes of white flowers 4 to 6 feet high. Aug. 90 cts. for 3, \$3 per doz.

Simplex. Late-flowering. Its flower-stems are 2 to 3 feet high and when cut last in perfection a long time. 3 ft. Sept. 75 cts. each, \$7.50 per doz.

CLEMATIS heracleæfolia Davidiana. Non-climbing border variety. Blue, hyacinth-like flowers, in clusters in the axils of the leaves. 2½ ft. Aug. \$1.20 for 3, \$4 per doz.

Montana rubens. Climbing variety. Flowers are rosy pink. Beautiful green foliage shading to bronze. June. \$1.50 ea.

★Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

●Herb plants

Purchaser pays transportation beyond 50 miles of New York

THREE FINE LILIES FOR SPRING PLANTING

We offer below selected bulbs of three of the finest Lilies which bloom in the early summer. All three varieties should be planted, for best results, approximately 6 inches deep. All are fine for garden planting.



Lilium Henryi. Large bulbs, 35 cts. each,
\$3.50 per doz., \$25 per 100



Lilium speciosum magnificum. 9 to 11 in.
around, 30 cts. each, \$3 per doz., \$20 per 100



Lilium regale. Bulbs, 6 to 7-in. circumference, 20 cts. each, \$2 per doz., \$15 per 100

Distinct Perennial Plants for your 1936 Garden



ASTER FRIKARTI
Wonder of Staefa

One of the finest hardy Asters. Grows 2 feet tall and produces 2½-inch flowers on long stems.
Plants, 50 cts. each, \$5 per doz.

New Dwarf Border Asters

We take pleasure in introducing a collection of New Dwarf Hybrid Asters which we feel will fill a long-felt want in providing a race of dwarf, compact, free-flowering plants, blooming in September. They are exceptionally valuable for edging or for grouping in the front of borders and are also charming for the rock-garden. We offer the five following varieties which cover the entire color-range. Height 9 to 12 inches.

Countess Dudley. Clear pink.
Lady Henry Maddocks. Clear pale pink.
Marjorie. Bright rose-pink.
Snowsprite. Pure white.
Victor. Lavender-blue.

Any of the above, 30 cts. each, \$3 per doz.

COLLECTION: One each of above
5 varieties \$1.25



**HEMEROCALLIS
KWANSO (Double)**

A large, double flower, blooming July and August. Height 2½ feet.
Plants, 50 cts. each, \$5 per doz.

**COREOPSIS ROSEA
NANA**

A beautiful rock and edging plant. Grows 6 to 8 inches high and blooms from July to frost.

Plants, 50 cts. each, \$5 per doz.



STOKESIA CYANEA

Laevis lilacina grandiflora. Height 2 feet

A beautiful perennial with large, often 5-inch flowers
Plants, 35 cts. each, \$3.50 per doz.



GAILLARDIA, Sun God

This improved hardy perennial has 5-inch flowers on 2-foot stems.

Plants, 50 cts. each, \$5 per doz.



DWARF ASTER, Lady Henry Maddocks



COREOPSIS ROSEA NANA

Perennials Are the Aristocracy of the Garden; Delphinium Is Monarch of Them All

COREOPSIS grandiflora. Rich golden yellow flowers. 2 ft. July. 90 cts. for 3, \$3 per doz.

Mayfield Giant. An improved Grandiflora, having larger flowers and longer stems. 2½ ft. July. 90 cts. for 3, \$3 per doz.

Perry's Variety. A good semi-double flower of golden yellow color. 2½ ft. July. 90 cts. for 3, \$3 per doz.

Rosea nana.★ This plant is covered all summer with dainty flowers of a pretty soft pink. 1 ft. July. 50 cts. each, \$5 per doz. (See color, page 76.)

COTONEASTER horizontalis.★ No better or more beautiful shrub known for terraces, slopes, tops of low walls, and foundation plantings. Fan-shaped, prostrate branches bearing red berries in the fall. Plants from 6-in. pots, \$1.50 each.

Humifusa.★ Semi-evergreen, woody plant with larger leaves than Horizontalis. Large red berries in the fall. As it grows perfectly flat, roots where branches touch the soil, it is ideal for terraces. \$1.50 ea.

Microphylla.★ *Rock Spray.* Very small, deep green leaves. Bushier than Horizontalis and retains its foliage later. Scarlet berries. \$1.50 each.

COTULA squalida.★ Forms a close evergreen carpet with purple flowers. 3 in. Aug. \$1.20 for 3, \$4 per doz.

CYNOGLOSSUM nervosum. A showy border plant covered with rich gentian-blue flowers. 1½ ft. July. 90 cts. for 3, \$3 per doz.

DAPHNE Cneorum.★ *Garland Flower.* An evergreen shrub of small stature, with bright pink flowers having delicious and pervading fragrance. In late summer the flower display is repeated. 8 to 10 in., 75 cts. each, \$7.50 per doz.; 12 to 15 in., \$1.50 each, \$15 per doz.

Mezereum. A pretty winter-flowering shrub, 15 to 30 inches high, with red flowers followed by scarlet berries. 12 to 15 in., \$1 each, \$10 per doz.; 18 to 24 in., \$2 each, \$20 per doz.

Delphinium (Milady's Flower)

We are again able to offer strong, vigorous, two-year, field-grown clumps of a super strain of Delphiniums. The following seven varieties of the Lady group are without a doubt of exceptional merit and deserve a place in everyone's garden. All plants are balled and burlapped, assuring a good delivery.

Lady Ann. A magnificent spike of light blue and mauve, with black center.

Lady Cynthia. Semi-double flowers of clear blue and mauve, with a large white center.

Lady Dorothy. A pure Oxford-blue variety offered for the first time. This is semi-double, being a little smaller than the other varieties.

Lady Elizabeth. Large, well-formed flowers of intermediate blue, shaded pansy-violet, with a prominent, well-shaped white center.

Lady Frances. A beautifully formed spike of deep blue and rich purple flowers having dark centers.

Lady Beatrice. Remarkably fine achievement. Bears large, pure white flowers in magnificently proportioned spikes. \$4 each, \$40 per doz.

Lady Grace. A contrasting study of rich gentian-blue and plum, with a large white center.

Any of above Delphiniums, except where noted, \$2.50 each, \$25 per doz.

★ Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

Purchaser pays transportation beyond 50 miles of New York



Super Gold Medal Hybrid Delphiniums

Wave Crest Blue Shades. A very delicate and charming strain of pale and light blues. \$1.50 each, \$15 per doz.

Delft Blue Shades. True blues of special beauty. \$1.50 each, \$15 per doz.

Salon Blue Shades. This strain abounds in rich, dark, velvety tints. \$1.50 each, \$15 per doz.

Royal Art Tints. A very desirable mixture of subtle and odd shades. \$1.50 each, \$15 per doz.

Super Gold Medal Hybrids. Yearling plants, 30 cts. each, 3 for 75 cts., \$2.50 per doz.; 1-yr., \$1 each, \$10 per doz.; 2-yr., \$1.50 each, \$15 per doz.

Hollyhock Strain (Wrexham). 50 cts. each, \$5 per doz.

Belladonna. Yearling plants, 35 cts. each, 90 cts. for 3, \$3 per doz.; large 2-yr., \$1 each, \$10 per doz.

Bellamosa. Yearling plants, 35 cts. each, 90 cts. for 3, \$3 per doz.

Chinensis. Yearling plants, 30 cts. each, 75 cts. for 3, \$2.50 per doz.

Dianthus (Pinks)

Low, tufted plants with beautiful fringed and fragrant flowers so valued in old-fashioned gardens.

Alpinus.★ Dense cushions of shining green with rich pink flowers. 3 in. June. 90 cts. for 3, \$3 per doz.

Arenarius.★ Flowers white with a carmine ring, deeply fringed. 6 in. July. 90 cts. for 3, \$3 per doz.

Arvernensis.★ A wonderful carpeting species. Spreading mats of gray-green covered with small sweet pink flowers. 3 in. July. 90 cts. for 3, \$3 per doz.

Barbatus. See Sweet William.

Beatrix.★ Light salmon-pink. Exceptionally fine variety. Blooms from May to November. 9 in. 90 cts. for 3, \$3 per doz.

Dianthus, continued

Bristol Maid. A large, double flower of excellent form; rose-pink, with a faint lavender shading. 1 ft. June. 90 cts. for 3, \$3 per doz.

Bristol Purity. Absolutely pure white, double flowers, and very fragrant. 1 ft. June. 90 cts. for 3, \$3 per doz.

Cæsius.★ *Cheddar Pink.* Mat-like gray foliage. Small, dainty pink flowers. 9 in. June. 90 cts. for 3, \$3 per doz.

Deltoides. *Maiden Pink.* Trailing mats of glossy green foliage. Small pink flowers speckled with crimson. 6 in. June.

Her Majesty. Pure white, sweet-scented flowers. Silver-gray foliage. 1 ft. June.

Latifolius atrococcineus fl.-pl. A hybrid between the China Pink and Sweet William. The heads of the brilliant red flowers are quite double. 1 ft. May.

Plumarius, Double Mixed. Fragrant flowers in beautiful colors. 1 ft. June.

Plumarius, Single Mixed. Finely fringed, fragrant flowers. 1 ft. June.

Prince Bismarck.★ Somewhat similar in habit to Beatrix, but rose-colored. 1 ft. June. 90 cts. for 3, \$3 per doz.

Scotch or Florists' Pinks. Wide range of colors. Free flowering. 1 ft. June.

Wimmeri.★ Beautiful white, deeply fringed blooms. 1 ft. June. 90 cts. for 3, \$3 per doz.

Dicentra

Eximia.★ *Fringed Bleeding-Heart.* The compact plant, with finely cut leaves and racemes of rose-pink flowers, is very much admired. 1 ft. April-July. \$1.20 for 3, \$4 per doz.

Glaucia (D. oregana). Finely cut silvery foliage with cream-colored flowers. 1 ft. June. \$1.20 for 3, \$4 per doz.

Spectabilis. The well-known Bleeding-Heart. \$1.20 for 3, \$4 per doz.; strong clumps, \$1.50 for 3, \$5 per doz.

Digitalis (Foxglove)

A stately plant used extensively in shrubbery borders and along the edge of woods.

Giant Shirley. Wide range of colors in white to deep rose; many spotted with crimson and maroon. 6 ft. June.

Lutea. Dwarf. Pale yellow. 2½ ft. July.

Monstrosa. *Mammoth Foxglove.* Longspike topped by one large flower. 3½ ft. June.

DORONICUM. *Leopard's-bane.* Delights in a sunny position, producing large, yellow, daisy-like flowers in May.

Clusi.★ Bright yellow flowers on 9-inch stems. May. 90 cts. for 3, \$3 per doz.

Excelsum. Handsome yellow blooms on 2-foot stems. Excellent for cutting. May.

DRABA fladnizensis.★ A hardy species from the Arctic. Yellow flowers, April to June. 4 in. \$1.20 for 3, \$4 per doz.

Olympica.★ Mats of dull green foliage covered with minute yellow flowers. 4 in. May. 90 cts. for 3, \$3 per doz.

DRYAS octopetala.★ Forms flat carpets of deep green foliage and bears immense, white, anemone-like flowers. 3 in. June. \$1.20 for 3, \$4 per doz.

ECHINOPS Ritro. *Globe Thistle.* A striking plant with handsome, silvery, thistle-like foliage and deep metallic blue flowers. 3 ft. July. 90 cts. for 3, \$3 per doz.

ELSHOLTZIA Stauntoni. Semi-woody, hardy plant. Purplish pink flowers. 4 ft. Sept. \$1.50 for 3, \$5 per doz.

● Herb plants

Combine Baby's Breath with Other Cut-Flowers to Enhance Their Beauty



Gaillardia, Giant Hybrids

EREMURUS. See fall Bulb Catalogue.

ERICA. *Heather.* See, also, *Calluna*.

Carnea.★ A charming companion plant to the Heathers. Bright rose. 6 in. March. Plants from 4-in. pots, \$1.50 for 3, \$5 per doz.

Mediterranea. Pink. 2½ ft. April. Plants from 3-in. pots, 90 cts. for 3, \$3 per doz.

ERIGERON alpinus.★ A dwarf, hairy plant with daisy-like, pinkish purple flowers. 9 in. July. 90 cts. for 3, \$3 per doz.

Mucronatus.★ A free- and continuous-blooming rock-garden gem with pink flowers. 1 ft. July. 90 cts. for 3, \$3 per doz.

ERINUS alpinus roseus.★ A good rock-garden plant. 4 in. May. 90 cts. for 3, \$3 per doz.

ERIOPHYLLUM caespitosum.★ Woolly white plant with flat, round, yellow flowers. 9 in. July. 90 cts. for 3, \$3 per doz.

ERODIUM chamædryoides.★ An ideal rock-garden plant with white and pink flowers. 3 in. June-Sept. \$1.05 for 3, \$3.50 per doz.

ERYNGIUM. *Sea Holly.* Will thrive in poor soil, semi-shade, or full sun.

Agavifolium. Foliage like agave, with bracts of steel-blue. 2 ft. Aug. 90 cts. for 3, \$3 per doz.

Planum. Branching heads of steel-blue flowers. 2½ ft. Aug.

EULALIA. See *Miscanthus*.

EUONYMUS radicans.★ A small evergreen vine for banks and walls. 1-year plants, 50 cts. each, \$5 per doz.

Radicans Carrierei. Large, shiny leaves. Makes a fine hedge. 50 cts. each, \$5 per doz.; 3-yr. plants, 75c. ea., \$7.50 per doz.

Radicans foliis-variegatus.★ An attractive little vine with gray and white foliage. Plants from 3-in. pots, 35 cts. each, \$3.50 per doz.; 4-in. pots, 50 cts. each, \$5 per doz.

Radicans minimus (E. kewensis).★ A real miniature vine with beautiful markings in shades of green. Plants from 3-in. pots, 35 cts. each, \$3.50 per doz.

EUPATORIUM ageratoides. Heads of pure white flowers. 2 ft. Aug.

Celestinum. Known as the Hardy Ageratum. Blue flowers. 2 ft. Aug.

FERNS, Hardy. The Hardy Ferns want light, alluvial soil, a little loam and peat- or leaf-mold sufficient to keep the soil light and open, plenty of moisture, and shade.

Adiantum pedatum. The beautiful Maidenhair Fern. About a foot high, with dark, polished stems and flat, open foliage of delicate light green.

Dennstaedtia punctilobula. A finely cut, deciduous Fern, common in woodland and open fields.

Osmunda cinnamomea. The large, handsome Cinnamon Fern.

Osmunda regalis. Very distinct, with the fronds like black locust foliage.

Polypodium vulgare. Low evergreen Fern with creeping roots forming mats of foliage.

Polystichum acrostichoides. Christmas Fern. Dark green. The fronds are collected for florists' use.

All Ferns, 90 cts. for 3, \$3 per doz.

FESTUCA ovina glauca.★ Dwarf, blue-gray, tufted grass. An ideal plant for the rock-garden.

FUNKIA (Hosta). *Plantain Lily.* A handsome subject which will thrive in almost any position, including semi-shade.

Cærulea. Broad green leaves and fragrant blue flowers produced from June to August. 8 in.

Fortunei robusta. Handsome, glaucous green foliage. Lilac-blue flowers. 2 ft. July. 90 cts. for 3, \$3 per doz.

Lancifolia albo-marginata. Green-and-white variegated foliage. 90 cts. for 3, \$3 per doz.

Subcordata grandiflora. Large, pure white flowers and bold foliage. 1½ ft. Aug. 90 cts. for 3, \$3 per doz.

Gaillardia

A very useful plant that stands dry weather conditions better than most, delights in strong sun, and is useful as a cut-flower.

Burgundy. Brilliant coppery scarlet. Beautiful cut-flower. 2½ ft. June.

Portola. Flowers have coppery scarlet petals, heavily margined with gold. 2½ ft. June.

Sun God. (See color, page 76.) Large, clear yellow flowers produced on 2-foot stems. 2½ ft. June. 50 cts. each, \$5 per doz.

Torchlight. Very large; crimson, gold edge. 3 ft. June.

S. & W. Co.'s Giant Hybrids. Specially selected strain of a splendid type. 2½ ft. June.

GENTIANA acaulis Clusi.★ An improved Acaulis with somewhat longer gentian-blue flowers on a longer stem. 6 in. June. Plants from 2½-in. pots, \$1.05 for 3, \$3.50 per doz.

GERANIUM sanguineum lancastricense.★ Lovely soft pink flowers on slender stems. 4 in. June-Sept. \$1.05 for 3, \$3.50 per doz.

GERBERA. *Transvaal Daisy.* These plants carry 3-inch, daisy-like flowers on 12-inch stems. Requires mulch of leaves or hay in the winter if left out. Clumps can be dug and kept in continual bloom if brought into greenhouse.

Jamesoni Hybrids, Single. A mixture of light pink, yellow, orange, and scarlet. 15 in. Aug. 75 cts. each, \$7.50 per doz.

Jamesoni Hybrids, Double. Very rare type. Mixed colors. \$1 each, \$10 per doz.

GEUM. Beautiful hardy perennials blooming from June to August.

Borisi.★ Orange-red flowers produced almost continuously through the summer months. 1½ ft. July. (See color, inside back cover.) 40 cts. each, \$4 per doz.

Lady Stratheden.★ Rich golden yellow flowers. 1½ ft. July.

Mrs. Bradshaw. Very large, double flowers of an attractive shade of orange-scarlet. 1½ ft. July.

GLOBULARIA nudicaulis.★ An effective rock-plant with pale blue flowers. 6 in. June. 90 cts. for 3, \$3 per doz.

Gypsophila

Branching or slender, spreading plants which thrive well in an open, dry situation. Desirable where a mass of misty bloom will fill in a bare space.

Acutifolia. Rose-lilac flowers in light, graceful panicles. 3 ft. July.

Bristol Fairy. The most popular variety for cutting. Huge panicles of pure white flowers. 4 ft. July. 1-yr. plants from 3-in. pots, \$1.05 for 3, \$3.50 per doz.; 2-yr. field-grown, \$1.50 for 3, \$5 per doz.

Cerastioides.★ Little 1-inch tufts of foliage covered with white flowers in the spring. 3 in. June. \$1.05 for 3, \$3.50 per doz.

Pacifica. Blooms later than *Paniculata*. Flowers are rose-colored. 2 ft. Aug.

Paniculata. *Baby's Breath.* Masses of minute, pure white flowers. 2 ft. July.

Repens alba.★ An interesting plant of low, creeping habit, producing clouds of small white flowers. 6 in. June. 90 cts. for 3, \$3 per doz.

Repens Bodgeri. (See color, inside back cover.) A dwarf, double, very light pink variety growing about 1 foot high. July. 50 cts. each, \$5 per doz.

Hedera

Helix. *English Ivy.* Where hardy, it is the finest ground- or wall-cover. 12 to 15-in. lengths, \$1.05 for 3, \$3.50 per doz.

Helix conglomerata.★ A quaint little Ivy with small, twisted stems. \$1.50 for 3, \$5 per doz.

Helix gracilis. Small-leaf English Ivy. The slender vines are not so densely clothed with foliage. \$1.50 for 3, \$5 per doz.

Helix minima.★ A minute Ivy of great value in the rock-garden. \$1.50 for 3, \$5 per doz.

HELENIUM autumnale pumilum. Color golden yellow. 1½ ft. June-Sept. 90 cts. for 3, \$3 per doz.

Riverton Beauty. Rich lemon-yellow. 4 ft. Aug. 90 cts. for 3, \$3 per doz.

Riverton Gem. A rich crimson shot with gold. 4 ft. Aug. 90 cts. for 3, \$3 per doz.

HELIANTHEMUM. *Sun Rose.* They flower in abundance in June and July. All varieties about 6 to 10 inches high.

Clara Middleton.★ Single; rich orange.

Croceus.★ Bright orange-red.

Fireball.★ Orange-scarlet; double.

Mrs. Earle.★ Scarlet; double.

Præcox.★ Yellow; single.

Rhodanthum carneum.★ A pleasing shade of pink with gray foliage.

Rose Queen.★ Single; pale pink.

The Bride.★ Single; pure white.

Wisley Primrose.★ Pale primrose. Gray foliage.

90 cts. for 3, \$3 per doz.

★ Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

● Herb plants

Purchaser pays transportation beyond 50 miles of New York

Do You Collect Paintings or China? Start an Iris Collection—It Grows

HELIANTHUS Maximiliani. Golden yellow flowers in graceful sprays. 6 ft. Oct.
Miss Mellish. Deep golden yellow. 4 ft. Sept.

Monarch. Fine deep orange. 5 ft. Sept.
Multiflorus, Soleil d'Or. Large, double, dahlia-like flowers of rich yellow. 4 ft. Aug.

All Helianthus, 90 cts. for 3, \$3 per doz.

HELIOPSIS. Showy perennials of the sunflower type.

Pitcheriana. Golden yellow. 3 ft. Aug.
Scabra formosa. A very fine form with semi-double, yellow flowers. 3 ft. Aug.

Scabra gratissima. Golden yellow flowers on 1½ to 2-foot stems. 3 ft. Sept.

HELLEBORUS niger. Christmas Rose. Very large white flowers. An ideal plant in shady nooks. Select a location where they will not be continually disturbed. Natural flowering season is from December to February. \$1 each, \$10 per doz.

Hemerocallis (Day Lily)

The tall, graceful, grass-like foliage sets off the charming, fragrant, lily-like flowers very effectively. They look well along a stream.

Dr. Regel. Rich orange-yellow flowers, fragrant and fine for cutting. 90 cts. for 3, \$3 per doz.

Dumortieri. Orange-yellow. 90 cts. for 3, \$3 per doz.

Fulva. Tawny Day Lily. Produces orange flowers. 90 cts. for 3, \$3 per doz.

Gold Dust. Orange flowers. 90 cts. for 3, \$3 per doz.

Kwanso fl.-pl. Large, double-flowered variety with rich golden bronze flowers. 2½ ft. July, Aug. See color, page 76. 50 cts. each, \$5 per doz.

Sovereign. Yellow, tinged with ruddy bronze. 90 cts. for 3, \$3 per doz.

Thunbergi. The lemon-yellow flowers are very fragrant. 90c. for 3, \$3 per doz.

HERB PLANTS. See page 61.

HEUCHERA. Alum-Root; Coral Bells. A useful plant for the front of the border, with graceful racemes of crimson, pink, and white flowers.

Alba. White form of Coral Bells. 1 ft. July.

La Perle. Splendid white. 1 ft. July.

Perry's Bride. Large Coral Bells. 15 in. July.

Rain of Fire. A bright, glowing scarlet. 15 in. July.

Sanguinea.★ Coral Bells. Coral-red. 9 in. July.

All Heuchera, \$1.05 for 3, \$3.50 per doz.

HIBISCUS. Mallow. A strong-growing plant, very effective during August and September. 5 ft.

Mallow Marvels. Shades of red, white, and pink. 1-yr. plants, \$2.50 per doz.; 2-yr., \$1.05 for 3, \$3.50 per doz.

Red. 1-yr., \$2.50 per doz.; 2-yr., \$1.05 for 3, \$3.50 per doz.

Pink. 1-yr., \$2.50 per doz.; 2-yr., \$1.05 for 3, \$3.50 per doz.

White with Crimson Eye. 1-yr., \$2.50 per doz.; 2-yr., \$1.05 for 3, \$3.50 per doz.; extra-large 3-yr., \$1.50 for 3, \$5 per doz.

HOSTA. See Funkia.

HORMINUM pyrenaicum.★ Large rosettes of scalloped foliage. Lavender flowers. 9 in. June. \$1.05 for 3, \$3.50 per doz.

Hollyhocks

(*Albæa rosea*.) These old favorites, gay with color during July and August, are striking as a background for other flowers in the perennial bed and in the shrubbery.

Exquisite Rose. New. Ruffled and fringed double flowers of old-rose with white edge.

Prince of Orange. Double flowers of a brilliant orange hue.

Triumph Hybrids. Produces flowers in a choice variety of colors on plants of branching habit growing 5 feet high.

SUPERB DOUBLE HOLLYHOCKS.

Crimson
Newport Pink
Salmon-Rose
Scarlet

Sulphur-Yellow
Pure White
Double, Mixed

SUPERB SINGLE HOLLYHOCKS, IMPROVED STRAIN.

Giant Pink
Giant Scarlet
Giant Yellow

Giant White
Giant Mixed

HUTCHINSIA alpina. Dainty snow-white flowers covering tufts of evergreen foliage. 4 in. June. 90 cts. for 3, \$3 per doz.

HYPERICUM. St. John's-Wort. Sun or partial shade.

Fragile.★ A beautiful rock alpine with yellow flowers. 4 in. July. 90 cts. for 3, \$3 per doz.

Moserianum.★ Large, open lemon-yellow flowers. 1½ ft. Aug. \$1.05 for 3, \$3.50 per doz.

Patulum Henryi. Of shrubby habit. Golden yellow flowers. 3 ft. Aug. \$1.50 for 3, \$5 per doz.

Repens.★ Prostrate growth. Bright yellow flowers. 4 in. June. 90 cts. for 3, \$3 per doz.



Superb Double Hollyhocks

IBERIS. Hardy Candytuft. Very desirable plant for rock- and wall-gardens, having evergreen foliage which is completely covered with dense heads of white flowers.

Gibraltarica.★ Seldom out of flower. Lilac color. 9 in. May. 90 cts. for 3, \$3 per doz.

Sempervirens, Little Gem.★ Dwarf plant that becomes a mass of white flowers. 8 in. June. 90 cts. for 3, \$3 per doz.

Sempervirens, Snowflake.★ Strong-growing variety with large heads of snow-white flowers. 15 in. May. 90 cts. for 3, \$3 per doz.; large plants in 5 in. pots, 50 cts. each.

INULA Royleana. A very useful plant for the border, also for cutting, the color being a bright orange-yellow. 2 ft. July. See color on inside back cover. 50 cts. each, \$5 per doz.

IRIS cristata.★ Crested Iris. Grows only 6 inches high, making it suitable for the rock-garden. Flowers are the size of a silver dollar, soft amethyst-blue, crested and with a touch of gold; fragrant. 6 in. May. 90 cts. for 3, \$3 per doz.

Cristata alba.★ Pure white form of Cristata. Choice and rare. 6 in. May. 50 cts. each, \$5 per doz.

Iris Germanica

These easily grown Iris need no introduction. They come in a wide range of colors that will meet all your requirements.

Afterglow. Blending of lavender, gray, and pink, shading to buff. 30 cts. each, \$3 per doz.

Alcazar. Standards of soft violet, with falls of a rich velvety crimson. 35 cts. each, \$3.50 per doz.

Alcina. Yellow standards that blend with bluish falls. 50 cts. each, \$5 per doz.

Ambassadeur. Standards are rosy lilac; falls, rich purple. 30c. each, \$3 per doz.

Asia. Standards pale silvery lavender with golden base; falls, rosy lavender. 50 cts. each, \$5 per doz.

Ballerine. A favorite light blue variety. 50 cts. each, \$5 per doz.

Bruno. Standards heliotrope, flushed bronze, with falls of rich purple. 50 cts. each, \$5 per doz.

Dream. Soft, clear, uniform pink. 50 cts. each, \$5 per doz.

Frieda Mohr. A giant-flowering pink variety. \$1 each, \$10 per doz.

Goblin Red. Ox-blood-red. Quite distinct. \$1 each, \$10 per doz.

Gold Imperial. Deep chrome-yellow. 35 cts. each, \$3.50 per doz.

Isoline. Lilac-pink, golden at throat. 50 cts. each, \$5 per doz.

Jacqueline Guillot. Bluish violet. 35 cts. each, \$3.50 per doz.

Lent A. Williamson. Standards are lavender-violet; falls, royal purple. 30 cts. each, \$3 per doz.

Lord of June. Standards soft lavender-blue; falls, rich violet-blue. 35 cts. each, \$3.50 per doz.

Ma Mie. White; frilled margins touched with blue. 50 cts. each, \$5 per doz.

Magnifica. The general color is violet, the standards blue, the falls red. 35 cts. each, \$3.50 per doz.

Mme. Chobaut. Prussian red with light brownish veins. 35 cts. each, \$3.50 per doz.

Morning Splendor. Deep rich purple. 75 cts. each, \$7.50 per doz.

★Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

Purchaser pays transportation beyond 50 miles of New York

●Herb plants

Plants Marked • on These Pages Are Recommended for the Herb-Garden



German Iris

Mother of Pearl. Iridescent shades of mother of pearl suffuse the entire bloom. 30 cts. each, \$3 per doz.

Princess Beatrice. Large; pale lavender-blue. 30 cts. each, \$3 per doz.

Prosper Laugier. Standards glistening fiery bronze; falls rich ruby-red. 35 cts. each, \$3.50 per doz.

Queen Caterina. Pale lavender-violet standards and falls. 35 cts. each, \$3.50 per doz.

Raffet. Standards violet-blue; falls darker violet. 30 cts. each, \$3 per doz.

Seminole. Velvety red-purple with a bright orange beard. 30 cts. each, \$3 per doz.

Shekinah. Standards clear soft yellow. 35 cts. each, \$3.50 per doz.

Sherwin-Wright. A fine deep yellow. 30 cts. each, \$3 per doz.

Souv. de Mme. Gaudichau. Standards dark purple; falls a shade darker. 35 cts. each, \$3.50 per doz.

Taj Mahal. Handsome pure white flower of fine form. 35 cts. each, \$3.50 per doz.

Zada. Fine waxy white which looks best in a mass planting. 35 cts. each, \$3.50 per doz.

Iris Kaempferi (Japanese Iris)

FIVE NEW VARIETIES.

Mahogany Giant. Deeper shade of velvety maroon than Mahogany and larger. \$1 each, \$10 per doz.

Violet Giant. Rich violet to rose; semi-double; frequently 27 inches in circumference. \$1 each, \$10 per doz.

White Giant. A strong grower. Pure white with yellow markings. \$1 each, \$10 per doz.

Light in the Opal. New, clear pink, double Iris, the finest pink yet offered. \$1.50 each, \$15 per doz.

Elbrus. Double, clear lavender flower of immense size, perfect form, and splendid substance. \$1.50 each, \$15 per doz.

STANDARD VARIETIES.

Azure. Double; large; mauve-blue.

Choseidan. Double; ruby-crimson.

Gold Bound. The best white variety.

Kamata. Sky-blue, veined white.

La Favorite. Double; white, veined blue.

Mahogany. Red, shaded maroon; double.

Mrs. George Stumpp. Single; white.

Painted Lady. Single; purple, white center.

Pyramid. Tall. Dark violet-purple, yellow blotch.

Red Riding Hood. Single; amaranth, suffused white.

Templeton. Double; light violet, mottled reddish pink and white.

Violet Beauty. Deep violet; single.

All Standard Iris, 50 cts. each, \$5 per doz.

IRIS PUMILA.★ Dwarf Iris. These lovely little Iris do not grow over 8 inches high and bloom during April and May. They are useful plants for the rock-garden and can also be used for bordering or in front of tall Irises.

Excelsa.★ Pale lemon-yellow.

Sambo.★ Dark violet-blue.

Schneekuppe.★ A large showy white.

All Dwarf Iris, 25 cts. each, \$2.50 per doz.

IRIS SIBIRICA. Siberian Iris. These are much like the Dutch Bulbous Iris. Their foliage, however, is long and grass-like. Splendid for cut-flowers.

Emperor. A dark violet-blue.

Perry's Blue. Sky-blue. Most popular.

All Siberian Iris, 30 cts. each, \$3 per doz.

JASMINUM revolutum. A hardy climber suited for trellis or walls. Dark green foliage. Flowers yellow. July, Aug. 1-yr. plants, 75 cts. each, \$7.50 per doz.; 3-yr., \$1.50 each, \$15 per doz.

LAVANDULA vera.● True Lavender. Small plants, 90 cts. for 3, \$3 per doz.

Vera compacta nana.● A desirable form of Lavender. Very fragrant. Plants from 2½-in. pots, 90 cts. for 3, \$3 per doz.; 4-in. pots, \$1.50 for 3, \$5 per doz.

LEONTOPODIUM alpinum. Edelweiss. The famous flower of the Alps. 3½ ft. July. 90 cts. for 3, \$3 per doz.

LIATRIS pycnostachya. Gayfeather. An attractive native hardy perennial. Long spikes of rosy purple bloom.

LINARIA alpina.★ Dwarf border or rock-garden plant with small violet and orange flowers. June. 90 cts. for 3, \$3 per doz.

Æquitriloba. A tiny trailer; mauve flowers. June-Sept. \$1.20 for 3, \$4 per doz.

LINUM flavum. Flax. Shrubby plant covered with bright golden yellow flowers from June to August.

Perenne. Foliage is light and graceful. Flowers pale blue.

LOBELIA cardinalis. Cardinal Flower. Does best in shady and moist positions. 90 cts. for 3, \$3 per doz.

Siphilitica. Handsome light blue flowers in leafy spikes. Aug., Sept.

Lupinus (Lupine)

Sturdy perennials when once established. Like sunny, well-drained spots with soil that is not too rich; hate to be moved. At their best during June and July but foliage is handsome throughout the season.

Polyphyllus albus. Pure white.

Polyphyllus, Blue Shades.

Polyphyllus, Red Shades.

Polyphyllus roseus.

Polyphyllus, Yellow Shades.

Polyphyllus, Art Shades, Mixed.

LOTUS corniculatus.★ An ideal ground-cover for crazy paving. Bright green mats. Small orange flowers all summer. Plants in pots, 90 cts. for 3, \$3 per doz.

LYCHNIS. Rose Campion. Handsome perennial plants of easy culture, making bright scarlet masses in beds and borders.

Chalcedonica. Heads of scarlet flowers that contrast nicely with blue delphiniums. 90 cts. for 3, \$3 per doz.

Viscaria splendens. Rose-pink to crimson flowers. 90 cts. for 3, \$3 per doz.

LYSIMACHIA. Loosestrife.

Nummularia. Moneywort; Creeping Charlie. Prostrate plant with bright yellow flowers. May-Sept.

Verticillata. Very hardy plant with yellow flowers.

LYTHRUM roseum superbum. Purple Loosestrife. Rose-colored flowers. July-Sept. 90 cts. for 3, \$3 per doz.

MATRICARIA inodora plenissima.● Chamomile; Feverfew. Double; white. Good for cutting. June-Sept. 90 cts. for 3, \$3 per doz.

MAZUS reptans. Creeping plant with rosy lavender flowers. 90c. for 3, \$3 per doz.

MELISSA officinalis.● Balm. An aromatic herb.

MENTHA lanuginosa.● Woolly Mint. A useful herb.

Requieni.● Small, creeping herb used for ground-cover.

Piperita. Peppermint. See page 61.

Viridis. Spearmint. See page 61.

MENZIESIA (Daboëcia). For sunny, well-drained borders.

Polifolia.★ Compact, evergreen shrub with little purple flowers. \$1.50 for 3, \$5 per doz.

Polifolia alba.★ Heath-like shrub with large white flowers. \$1.50 for 3, \$5 per doz.

MICROMERIA lebondomin.★ Fragrant, pale rose-colored flowers. Requires a sheltered and sunny position. \$1.05 for 3, \$3.50 per doz.

MISCANTHUS (Eulalia). Ornamental grass with sword-like leaves which may be cut for winter decoration.

Sinensis gracillimus. Narrow foliage. 4 ft. Sept. \$1.50 for 3, \$5 per doz.

Sinensis japonica. Broad, deep green foliage. 4 ft. Sept. \$1.50 for 3, \$5 per doz.

MONARDA. Bee Balm. A plant that does well in any position. Leaves are highly aromatic.

Didyma.● Oswego Tea. Bright red. 2½ ft. July.

Pink and White. 2½ ft. July.

Myosotis (Forget-me-not)

Very effective when planted in a mass.

Alpestris.★ Alpine Forget-me-not. 6 in. June.

Palustris semperflorens. A free, dwarf form, desirable for banks of streams or pools. 6 in. June.

NIEREMBERGIA frutescens. Very effective in groups. The flowers are white, suffused with pale blue. Good ground-cover for hardy lilies. 1½ ft. July. 90 cts. for 3, \$3 per doz.

Gracilis.★ A finer and dwarfer form of the above. 1 ft. July. 90 cts. for 3, \$3 per doz.

Rivularis.★ A charming, dwarf, creeping alpine plant 1 inch high. Forms a carpet of dark green leaves. Large white cups. Loves sun. July. 90 cts. for 3, \$3 per doz.

★Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

●Herb plants

Purchaser pays transportation beyond 50 miles of New York

Plants Marked * on These Pages Are Recommended for the Rock-Garden

NEPETA Mussini. Dwarf, compact plant producing masses of lavender flowers. Good border and rock-plant. 9 in. June. 90 cts. for 3, \$3 per doz.

Souv. de Andre Chaudron. A distinct, upright grower, 12 to 15 inches high. Silvery gray foliage and dark blue flowers all summer. 90 cts. for 3, \$3 per doz.

ÆNOTHERA. Striking plants which succeed well in any sunny position.

Clutei. Soft yellow flower. Branching habit. 3 ft. July.

Glaucia Fraseri. Yellow. Dwarf plant. Good border subject. Long season. 1 ft. July.

Lamarckiana. Biennial. The true Evening Primrose. 4 ft. July.

Speciosa. Large, white, sweetly scented flowers. 2 ft. June-Oct. 90 cts. for 3, \$3 per doz.

Youngi. Large; lemon-yellow. 2 ft. June-Aug.

ORIGANUM. *Marjoram.* See page 61.

PACHYSANDRA terminalis.★ *Japanese Spurge.* Valuable evergreen plant producing broad mats of bright glossy green foliage. Its low habit makes it very desirable for use under trees, shrubs, or for bordering walks and drives. 6-9 in. Plants from 3-in. pots, 75 cts. for 3, \$2.50 per doz., \$20 per 100; 2-yr. field-plants, \$12 per 100, \$90 per 1000.

Peonies

Require deep, rich soil and an abundance of water during growing season. Should be planted so that the eyes are barely covered (about 1 to 2 inches). The roots we offer have been grown two years from root-divisions. If planted during September and October, these roots should become well established and give some flowers the following season. Many of the following varieties received a very high rating by the American Peony Society.

WHITE SHADES.

Alsace Lorraine. Pointed petals suffused with gold. Tall and late. \$1 each, \$10 per doz.

Festiva Maxima. Large flowers of feathery appearance, flecked crimson in center. 60 cts. each, \$6 per doz.

La Lorraine. Cream, tinted pink, with yellow glow from buried stamens. 75 cts. each, \$7.50 per doz.

Le Cygne. The finest white, receiving the highest rating of any Peony. \$1.50 each, \$15 per doz.

Princess Olga. Double; bluish white. \$1 each, \$10 per doz.

Solange. Broad, rounded petals, suffused with reddish gold light. Late midseason. \$1 each, \$10 per doz.

PINK SHADES.

Alice Balfour. Lovely, large, double rose flower. \$1 each, \$10 per doz.

E. G. Hill. Light purplish rose bloom in great abundance. \$1 each, \$10 per doz.

General Joffre. Large, bomb-shaped, rose-pink flowers. 75 cts. each, \$7.50 per doz.

Henry Woodward. Shaded old-rose and white. 75 cts. each, \$7.50 per doz.

La France. Clear light pink, richer in center. 75 cts. each, \$7.50 per doz.

Lady Bramwell. Silvery rose; very fragrant. Early. 75c. each, \$7.50 per doz.

Mignon. Lovely light flesh-pink to white when open. 75 cts. each, \$7.50 per doz.

Mme. Benoit Riviere. Very free flowering. 75 cts. each, \$7.50 per doz.

Pink Peonies, continued

Mme. Emile Dupraz. Very large; rose-pink; sweet-scented. 60 cts. each, \$6 per doz.

Mme. Francois Toscanelli. Very old variety. \$1 each, \$10 per doz.

Mme. Manchet. Full, cup-shaped flowers tinted silver. \$1 each, \$10 per doz.

Mons. Jules Elie. Early. One of the finest known. \$1 each, \$10 per doz.

Pasteur. Large flowers with soft yellow tints at base. \$1 each, \$10 per doz.

Rachel. Large, globular flowers of excellent form. 75 cts. each, \$7.50 per doz.

Sir John French. Rich glowing rose-pink. 75 cts. each, \$7.50 per doz.

Suzanne Desert. Clear China-pink, silvery on tips. 75 cts. each, \$7.50 per doz.

RED SHADES.

Dr. H. Barnsby. Large, very full crimson bloom. 75 cts. each, \$7.50 per doz.

Felix Crousse. Compact, globular, and large. \$1 each, \$10 per doz.

Francois Rousseau. Has dark silky sheen toward base. \$1 each, \$10 per doz.

Gloire de Touraine. Double; dark rose-red flower. Late. \$1 each, \$10 per doz.

Karl Rosenfield. An early variety. Flower has no equal. 75 cts. each, \$7.50 per doz.

Marquis C. Lagergren. Brilliant cherry-red with dark shadings. \$1 each, \$10 per doz.

Rudyard Kipling. Double cerise blooms. \$1 each, \$10 per doz.

War. Double red flowers. \$1.50 each, \$15 per doz.

YELLOW SHADES.

Primevere. Anemone type. Medium size; creamy white, enclosing a central ball of sulphur-yellow. Midseason. \$2 each, \$20 per doz.

SINGLE PEONIES.

L'Etincelante. Large petals of brilliant carmine with silvery border. 50 cts. each, \$5 per doz.

Nymphé. Large, flesh-colored petals with central tuft of golden stamens. \$1 each, \$10 per doz.

Othello. Deep rose. Excellent for Peony border. 50 cts. each, \$5 per doz.

Yeso. Pure white; narrow center petals white shaded yellow. \$2 each, \$20 per doz.

TREE PEONIES. Hard-wooded, deciduous, shrubby plants, flowering from May to June.

Banksi. Double; pink with darker shades.

Haku-raku-ten. Semi-double; pure white.

Moutan. Single; purplish red.

5-yr.-old clumps, \$6 each, \$60 per doz.

Poppies

Papaver nudicaule. *Iceland Poppy.* A compact, neat plant flowering from July to October.

Mixture.★ Choice assortment of yellow, orange, and white. 1 ft.

Coonara Pink.★ Many beautiful shades. A real garden gem. 90 cts. for 3, \$3 per doz.

Papaver orientale. *Oriental Poppy.* This perennial Poppy is growing in favor with all garden lovers. To enable our customers to carry out spring planting, we offer pot-grown plants from rooted cuttings, not seedlings.

Apricot Queen. Deep apricot. 90 cts. for 3, \$3 per doz.

Beauty of Livermere. The finest dark crimson with a black blotch. 90 cts. for 3, \$3 per doz.

Papaver orientale, continued

Bracteatum. Brilliant scarlet. 90 cts. for 3, \$3 per doz.

Brightness. Orange-scarlet. 90 cts. for 3, \$3 per doz.

Enfield Beauty. Salmon with a maroon base. Late. 90 cts. for 3, \$3 per doz.

May Queen. Pink flowers. Dwarf in habit. 2 ft. \$1.05 for 3, \$3.50 per doz.

Olympia. Vigorous grower. Flame-scarlet, overlaid with golden salmon. \$1.05 for 3, \$3.50 per doz.

Princess Ena. Apricot. 90 cts. for 3, \$3 per doz.

Perry's White. Flowers are pure satiny white with crimson-maroon blotch at base. \$1.05 for 3, \$3.50 per doz.

Royal Scarlet. A rich orange-scarlet with a black blotch. Striking. 90 cts. for 3, \$3 per doz.

Tulipa. Orange-pink flowers. \$1.05 for 3, \$3.50 per doz.

PASSIFLORA. *Passion Flower.* Vinc. making a growth of 12 to 15 feet in a year. Flowers profusely in late summer. Thrives in sunshine. Pot-plants (ready in early May), \$1 each.

PENTSTEMON barbatus. See *Chelone barbatus.*

Confertus atropurpureus.★ Forms mats of deep green foliage. Flowers white, tube-shaped, tipped with deep blue. 6 in. July. 90 cts. for 3, \$3 per doz.

PERNETTIA mucronata. A dwarf evergreen shrub with bright green foliage and pale pink flowers. Ornamental berries. Requires protection. 1 ft. June. 75 cts. each, \$7.50 per doz.

Phlox decussata

Albert Leo Schlageter. Large, pyramidal trusses; bright scarlet, dark crimson eye. 2½ ft. Aug.

Blue Hill. A lilac-blue, the nearest to light blue. 2 ft. Aug.

Border Gem. Distinct novelty. Large trusses; deep violet-blue. 2½ ft. Aug.

Caroline Vandenberg. Blue-violet. One of the best. 2½ ft. Aug.

Daily Sketch. The finest large-flowered Phlox. Blooms 2 inches across, clear pink with carmine eye. Good grower. 2½ ft. Aug.

Salmon Glow. Dwarf in habit. Trusses of lively pink flowers, shaded with salmon. 2½ ft. Aug.

Any of above 6 Phlox, 50 cts. each, \$5 per doz.

Brilliant. Scarlet. 2½ ft. Aug.

Commander. Crimson-red, with dark eye. 2½ ft. Aug.

E. I. Farrington. Soft salmon-pink with lighter eye. An improved Elizabeth Campbell. 2½ ft. Aug.

General Van Heutz. Salmon-red, with grayish white eye. 2 ft. Aug.

Jeanne d'Arc. Pure white. 2 ft. Aug.

Jules Sandeau. Rose-pink, with good flower-trusses. 1½ ft. Aug.

Karl Foerster. Orange-red. 3 ft. Aug.

Morgenrood. A new shade of bright rose, with deeper eye. 2½ ft. Aug.

Mrs. Jenkins. Late white. 2½ ft. Sept.

Rijnstroom. Dark salmon-rose. 2½ ft. Aug.

Sunshine. Compact trusses of pink. 2½ ft. Aug.

Terre Neuve. Lavender with lighter center. 2½ ft. Aug.

Widar. Exquisite two-tone variety—reddish violet, white eye. 2½ ft. July.

Above 13 Phlox, 90 cts. for 3, \$3 per doz.

★Rock plants

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● Herb Plants

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Among Garden Enthusiasts, Much Interest Is Being Devoted Nowadays to Primulas

PHLOX *suffruticosa*, Miss Lingard. Flowers in June and continues on through summer. Large; white. 2½ ft. 90 cts. for 3, \$3 per doz.

PHLOX *subulata*. Moss Pink; Mountain Pinks. Pretty, moss-like, evergreen foliage which, during April and May, is hidden under masses of bloom.

Alba.★ Pure white.

Fairy.★ Pale blue, with dark eye.

G. F. Wilson.★ Mauve.

Lilacea.★ Lilac.

Rosea.★ Rose-pink.

Rubra.★ Crimson, with purple shading.

Vivid Red.★

PHLOX, Various.

Amœna.★ A trailing variety, useful for carpeting. Rich bright pink flowers in April and May. 4 in. 90 cts. for 3, \$3 per doz.

Divaricata Laphami.★ Trusses of large, fragrant, lavender-blue blooms in May. One of the finest native wild flowers. 9 in. 90 cts. for 3, \$3 per doz.

Reptans (stolonifera). Pink flowers of the Divaricata type. Excellent for woodland planting. 6 in. June. 90 cts. for 3, \$3 per doz.

PHYSALIS *Francheti*. Chinese Lantern Plant. An ornamental Winter Cherry. Bright orange-scarlet, lantern-like fruits that when cut last all winter. 2 ft. Sept.

PHYSOSTEGIA. False Dragonhead.

Dwarf Vivid. Rosy red blooms that last well as cut-flowers. 2 ft. July.

Virginiana. Forms large clumps and long spikes of tubular pink flowers. 3½ ft. July.

PLATYCODON. Balloon Flower; Japanese Bellflower. One of the best hardy perennials, producing very showy flowers during the whole season.

Grandiflorum.★ Large, steel-blue flowers. 1½ ft. Aug. 90c. for 3, \$3 per doz.

Grandiflorum album.★ A white form of the above. 1½ ft. Aug. 90 cts. for 3, \$3 per doz.

Grandiflorum Mariesi.★ Large, open, bell-shaped flowers of rich violet-blue. 1½ ft. July. 90 cts. for 3, \$3 per doz.

PLUMBAGO. Leadwort.

Larpenæ. Of dwarf, spreading habit and covered with deep blue flowers. 6 in. July. 90 cts. for 3, \$3 per doz.



Phlox subulata (Moss Pink)

POTENTILLA. Cinquefoil.

Argentea calabra. Yellow flowers. 1 ft. July. 90 cts. for 3, \$3 per doz.

Cinerea.★ Minute, compact evergreen creeper with bright yellow flowers. 3 in. May. 90 cts. for 3, \$3 per doz.

Multifida (Tonguei).★ Orange blooms, with crimson center. 6 in. All summer. \$1.20 for 3, \$4 per doz.

Primula (Primrose)

Plants are ideal for rock-garden, flower border, and woodland plantings if situation is moist.

Acaulis (vulgaris).★ The true old-fashioned English Primrose. Pale yellow. 6 in. May. 90 cts. for 3, \$3 per doz.

Dean's Hybrids.★ Large flowers in many shades of red, pink, and yellow. 6 in. May. 90 cts. for 3, \$3 per doz.

S. & W. Co.'s Superb Strain.★ We have selected from leading European growers the choicest of their respective strains, including the famous hardy stocks from Scotland. Colors range from white to deepest crimson. \$1.20 for 3, \$4 per doz.

Auricula.★ Charming for rock-garden and border, also as pot-plant. Mixed colors. 6 in. May. \$1.20 for 3, \$4 per doz.

Beesiana.★ Glowing velvety purple, yellow eye. Free flowering. 2½ ft. June. \$1.05 for 3, \$3.50 per doz.

Bulleyana.★ Shade of rich orange. 2 ft. June. \$1.05 for 3, \$3.50 per doz.

Cortusoides.★ A fine, compact variety with lavender blooms. 9 in. May. 90 cts. for 3, \$3 per doz.

Denticulata.★ Hardy species from the Himalayas. Bright mauve; massive spikes. 1 ft. May. 90c. for 3, \$3 per doz.

Primula elatior (polyantha)

Also known as the Bunch Primrose. A welcome plant in the spring with its bright colors.

Crimson King.★ Large. Crimson. 9 in. May. 90 cts. for 3, \$3 per doz.

Gold-laced.★ Deep maroon, edged with gold. 9 in. May. 90c. for 3, \$3 per doz.

Munstead Yellow.★ 9 in. May. 90 cts. for 3, \$3 per doz.

S. & W. Co.'s Strain.★ Comprising a mixture of selected shades from white to purple. 9 in. May. 90 cts. for 3, \$3 per doz.

Japonica alba.★ Pure white. 1 ft. June. \$1.20 for 3, \$4 per doz.

Japonica, Rose du Barri.★ Charming pink. 1 ft. June. \$1.20 for 3, \$4 per doz.

Japonica splendens.★ Various shades of pink, white, and red. 1 ft. June. \$1.20 for 3, \$4 per doz.

Julia.★ Starry claret flowers with golden eye. 6 in. May. 90c. for 3, \$3 per doz.

Kleyni.★ Heavy stems 10 to 12 inches long. Rich golden yellow florets shaded apricot to center. \$1.20 for 3, \$4 per doz.

Veris officinalis.★ Cowslip. Very useful for woodland planting. Yellow. 6 in. May. 90 cts. for 3, \$3 per doz.

Veris officinalis, Mixed Colors.★ A strain with crimson, scarlet, orange and yellow. 6 in. May. 90 cts. for 3, \$3 per doz.

Wanda.★ Forms spreading mats. Large, rich purple flowers, golden eye. Must have moist location. 4 in. May. 90 cts. for 3, \$3 per doz.

Wardi.★ Pretty Chinese variety, with soft lavender flowers, sweetly scented. 1 ft. June. \$1.20 for 3, \$4 per doz.

PRUNELLA grandiflora. Self-Heal. A strong plant for front of border. Spikes of rich purple flowers. Full sun. 1 ft. July.

PYRETHRUM roseum hybridum, Single Hybrids. Painted Daisy. Prefers a sunny situation, growing 2 to 3 feet high. The cosmos-like flowers range from palest pink to deep red, with yellow centers. July.

RAOULIA australis.★ The best of all sandy-soil carpeters. Sunny location. Silvery foliage. 1 in. 50 cts. each, \$5 per doz.

RHODODENDRON ferrugineum. Dwarf, slow-growing variety covered in August with vivid carmine flowers. 2 ft. 75 cts. each, \$7.50 per doz.

ROSA Lawranceana.★ Fairy Rose; China Rose. Small, double, rose-red flowers with shining hips in autumn. 1 ft. June. 75 cts. each, \$7.50 per doz.

Lawranceana, Tom Thumb.★ Plant Patent applied for. Tiny, deep crimson buds, no larger than a grain of wheat, open to flowers slightly lighter in color, with a touch of white at the base, and measuring less than ¼ inch in diameter. Very hardy, thriving under all conditions and in all climates. Fine for the rock-garden or growing indoors. \$1 each, \$10 per doz.

Rouletti.★ Pretty pale pink blooms all summer. 1 ft. \$1 each, \$10 per doz.

ROSMARINUS officinalis.● Rosemary. An excellent evergreen shrub with gray-green, aromatic foliage and spikes of lilac flowers. 2 ft. Aug. Individual plants, 75 cts. for 3; from 3-in. pot, 90 cts. for 3, \$3 per doz.; 5-in. pot, \$1.50 for 3, \$5 per doz.

RUDBECKIA, Golden Glow. Rich yellow, double flowers for cutting. 6 ft. Aug.

Purpurea. Purple Coneflower. 3 ft. Aug.

RUTA graveolens.● Rue. A compact-growing herb with gray aromatic leaves and yellow flowers. 15 in. July. 90 cts. for 3, \$3 per doz.

SALVIA azurea grandiflora (Pitcheri). Produces clear, soft blue flowers in late summer. 4 ft. 90 cts. for 3, \$3 per doz.

Officinalis.● Garden Sage. See Herbs, page 61.

Turkestanica. Bold plant with showy spikes of silvery white and lilac flowers. 4 ft. Aug. 90 cts. for 3, \$3 per doz.

SANTOLINA incana.★● Lavender Cotton. Low, spreading, silvery gray leaves and fragrant, yellow flowers. Small plants, 90 cts. for 3, \$3 per doz.; large plants, \$1.50 for 3, \$5 per doz.

SAPONARIA ocymoides.★ Trailing plant from Swiss mountains. Pale pink flowers. 6 in. July.

SATUREIA montana. Savory. See page 61.

SAXIFRAGA cordifolia.★ Large, ornamental leaves. Pink flowers. 15 in. May.

Encrusted, Mixed. Silvery white. 1 ft. June. 90 cts. for 3, \$3 per doz.

Macnabiana.★ Sprays of white flowers spotted red. 1 ft. June. 90 cts. for 3, \$3 per doz.

Mossy.★ Close-growing green plant. Flowers white, pink, and crimson. Foliage turns crimson in winter. 4 in. June. 90 cts. for 3, \$3 per doz.

SCABIOSA. Pincushion Flower. Broad, circular flowers on long stems for cutting.

Caucasica, Giant Hybrids. (Isaac House Strain.) Delicate lilac and mauve predominate but pure white and several dark blues also occur. 2 ft. July. 90 cts. for 3, \$3 per doz.

SCLAREA.● Clary. Lavender bracts. 2 ft.

★ Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

● Herb plants

Purchaser pays transportation beyond 50 miles of New York

For a Garden Afire with Color, Plant Flame Flower; in Other Words, Tritoma

Sedum (Stonecrop)

These plants should be found in every rock-garden, and many are suitable for carpet bedding. Thrive almost anywhere.

- Acre.**★ Green foliage. Bright yellow flowers. 3 in. June.
Album.★ White. Reddish brown foliage in fall. 3 in. June.
Altissimum.★ Yellow. 10 in. July.
Anglicum.★ Pink flowers. 3 in. June.
Anglicum minus.★ Pale pink. 3 in. June.
Anopetalum.★ Erect growing. 3 in. June.
Balticum.★ 3 in. June.
Dasyphyllum.★ Rose. 3 in. June.
Hispanicum.★ Gray foliage. 3 in. June.
Hispanicum minus.★ Miniature of above.
Kamtschaticum.★ Yellow. 8 in. June.
Kamtschaticum Seedling.★ Rosy pink.
Lydium.★ Pink. 2 in. June.
Middendorffianum.★ Yellow. 10 in. June.
Murale.★ Pink Seafoam. White, dotted with pink. 6 in. Aug.
Nevi.★ Blue-gray rosettes. 4 in. July.
Nevi, Long Form.★ White. 4 in. July.
Obtusatum.★ Yellow. 5 in. July.
Oreganum.★ Yellow. 5 in. July. 90 cts. for 3, \$3 per doz.
Reflexum.★ Yellow. 6 in. July.
Sarmentosum.★ 6 in. June.
Sieboldi.★ Rose-pink. 9 in. Aug.
Spathulifolium.★ Yellow. 3 in. June.
Spectabile.★ Rose colored. 1½ ft. Aug.
Spectabile, Brilliant.★ Improved form of the above. Rosy red. 1½ ft. Aug.
- SEMPERVIVUM.** *Houseleek.* Evergreen succulents resembling Sedums. The leaves are often brightly colored at tips.
Arachnoideum.★ *Cobweb Houseleek.* Bright red. 6 in. Sept.
Arenarium.★ Cream-colored flowers. 2 in. Aug.
Atlanticum.★ Broad variety. 9 in. Aug.
Compte de Corigal.★ Splendid for rock- and wall-gardens. 9 in. Aug.
Doellianum.★ Bright red. 4 in. Aug.
Globiferum. Flowers pale yellow. 1 ft. Aug.
Choice Mixed Seedlings. 9 in. Aug.
All Sempervivum, 90 cts. for 3, \$3 per doz.
- SIDALCEA, Rose Queen.** Rose-pink. A charming variety. 3 ft. July. 90 cts. for 3, \$3 per doz.
- SILENE alpestris.**★ Tiny clear white flowers. 4 in. July. 90 cts. for 3, \$3 per doz.
Schafta.★ Covered with a mass of bright pink flowers all summer. 4 in. 90 cts. for 3, \$3 per doz.
- SPIRÆA filipendula (Astilbe ulmaria).** *Goat's Beard.* Suitable for borders, damp situations, and marginal ornamental water plantings. June and July.
Amethyst. Spikes of deep violet-purple blooms. 2 ft. 50 cts. each, \$5 per doz.
Avalanche. Good forcing variety. Pure snow-white. 2 ft. 50c. each, \$5 per doz.
Filipendulina alba. Creamy white flowers. 2 ft. 90 cts. for 3, \$3 per doz.
Filipendulina rosea. Rosy pink form of above. 2½ ft. 90 cts. for 3, \$3 per doz.
Gladstone. White flowers on beautiful spikes. 1½ ft. 50 cts. each, \$5 per doz.
Gloria Superba. Dwarf, deep pink variety. 2 ft. 75 cts. each, \$7.50 per doz.
Palmata elegans. Light pink. 3 ft. 50 cts. each, \$5 per doz.
Salland. Tall reddish plume. 4 ft. 75 cts. each, \$7.50 per doz.

STACHYS lanata.★ Soft silvery foliage. Spikes of purple blooms. The beauty of the plant is in the foliage. 1 ft. July.

STATICE dumosa.★ Valuable for grouping in the rock-garden. 15 in. July, Aug. 90 cts. for 3, \$3 per doz.

Latifolia. *Big-leaf Sea Lavender.* Very decorative. 2 ft. Aug. 90 cts. for 3, \$3 per doz.

STOKESIA lilacina grandiflora. A very attractive shade of silvery blue with a lilac suffusion at center. The flowers are often 5 inches across and can be cut with stems 18 to 20 inches long. See color on page 76. 35 cts. each, \$1.05 for 3, \$3.50 per doz.

SWEET MARJORAM. See Herbs, page 61.

Sweet William

Auricula-eyed. A choice mixture of colors, all having a light-colored center. 1½ ft. June.

Pink Beauty. The best in the pink shades. 1½ ft. June.

Scarlet Beauty. Very showy and effective. 1½ ft. June.

TANSY. See page 61.

TARRAGON. See page 61.

TEUCRIUM Chamædryas.★ A picturesque subshrub with glossy green foliage and bright rose flowers. 1 ft. Aug.

THALICTRUM. *Meadow-Rue.*

Adiantifolium. Foliage like the maiden-hair fern. White flowers in June. 1 ft. 90 cts. for 3, \$3 per doz.

Dipterocarpum. Shade of lilac-mauve with lemon-yellow stamens. 3½ ft. Aug. \$1.20 for 3, \$4 per doz.

Glaucum. Heads of feathery yellow flowers. 4½ ft. July. 90 cts. for 3, \$3 per doz.

THERMOPSIS caroliniana. Five-foot plants with yellow pea blossoms in July.
Mollis. Pale yellow flowers all summer. 3 ft.

THYMUS.★ *Thyme.* These charming, fragrant plants give a lovely carpet effect, being of dwarf, spreading habit. They prefer a dry situation.

Azoricus.★ Green mats with rosy flowers. 4 in. June.

Citriodorus.● *Lemon Thyme.* See page 61.
Citriodorus argenteus.● *Silver Lemon Thyme.* 4 in. June.

Herba-barona.● Erect-growing. Purplish flowers. 6 in. June. \$1.05 for 3, \$3.50 per doz.

Lanuginosus.★ *Woolly Mountain Thyme.* 6 in. June.

Nitidus.★ Silvery foliage. Clear lilac-pink flowers. 9 in. June. \$1.05 for 3, \$3.50 per doz.

Serpyllum album.★ Pure white. 4 in. June.

Serpyllum coccineus.★ Crimson. 4 in. June.

Vulgaris.● *Common Thyme.* The well-known herb.

TROLLIUS. *Globe Flower.* Like immense buttercups. These striking, hardy perennial plants are very effective in the mixed border.

Golden Queen. An enormous type with 4-inch flowers. 3½ ft. June. \$1.50 for 3, \$5 per doz.

Ledebouri. Siberian. Yellow flowers. 2½ ft. June. \$1.50 for 3, \$5 per doz.

Orange Globe. Large orange flowers. 2 ft. June. \$1.50 for 3, \$5 per doz.



Tritoma Pfitzeri

Tritoma (Red-Hot Poker; Flame Flower; Torch Lily)

Autumn Tints. Red and gold. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Coral Reef. Coral-red flowers. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Flaming Torch. Red, shaded yellow. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Golden Thoughts. Rich old-gold flowers. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Greengold. Green overlaid with gold. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Ivory. Ivory-white. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Orange Glow. Deep warm orange color. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Orange Queen. Bright orange. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Petite Hybrids. Range of shades from scarlet to gold. \$1.50 for 3, \$5 per doz.

Rose Queen. Old-rose. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Salmon Beauty. Salmon-pink. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Sulphur Spire. Citron-yellow. 2½ ft. Sept. \$1.50 for 3, \$5 per doz.

Pfitzeri. For bedding. Surpasses cannas for brilliance and gladiolus as a cut-flower. \$1.05 for 3, \$3.50 per doz.

S. & W. Co.'s Hybrids. Full range of colors from white to burnt orange. 75 cts. for 3, \$2.50 per doz.

TUNICA saxifraga.★ Pale pink flowers from June to September. 6 in. Aug.

Saxifraga rosea fl.-pl.★ Double pink. 6 in. Aug. 90 cts. for 3, \$3 per doz.

ULEX europæus. Gorse or Furze. 3 ft. May. \$1.05 for 3, \$3.50 per doz.

UMBILICUS chrysantha.★ A hardy plant resembling sempervivum, but softer petalage and yellow flowers. 9 in. June. 90 cts. for 3, \$3 per doz.

VINCA. *Madagascar Periwinkle; Old Maid.* 3-4 in. May.

Alpina. Trailing evergreen. Purple.

Minor. *Trailing Myrtle.* Used for ground-cover under trees.

Minor, Bowles' Variety. Improved form. All Vincas, 90 cts. for 3, \$3 per doz.

★Rock plants

Prices of all plants, except where noted, 75 cts. for 3, \$2.50 per doz.

●Herb plants

Purchaser pays transportation beyond 50 miles of New York

Beautify Your Pond Garden with the Plants Offered on This Page



Viola, Jersey Gem

VERONICA. Speedwell. Showy and free-flowering perennials, mostly blue, native to Europe and North America.

Blue Jay. Late flowering. 3½ ft. Aug. 90 cts. for 3, \$3 per doz.

Filiformis. Trailing. Blue with white lips. 6 in. May. 90 cts. for 3, \$3 per doz.

Gentianoides. Pale blue flowers edged deep blue. 1 ft. June. 90 cts. for 3, \$3 per doz.

Incana nana. Blue flowers. Silver foliage. 6 in. July. 90 cts. for 3, \$3 per doz.

Longifolia subsessilis. Blue. 2 ft. July. 90 cts. for 3, \$3 per doz.

Nummularia. Light blue. 3 in. July. 90 cts. for 3, \$3 per doz.

Pectinata. Pale blue. 3 in. May, June. 90 cts. for 3, \$3 per doz.

Repens. Light blue flowers in June. 2 in. 90 cts. for 3, \$3 per doz.

Rupestris. Covered with a mass of blue flowers. Sunny position. 3 in. June. 90 cts. for 3, \$3 per doz.

Saxatilis. Rich blue flowers ½ inch across, with crimson eye. 3 in. July. 90 cts. for 3, \$3 per doz.

Spicata. Spikes of blue blooms. Can be used to follow Delphinium. 2 ft. June. 90 cts. for 3, \$3 per doz.

True Blue. Clear blue spikes. 1 ft. July. 90 cts. for 3, \$3 per doz.

Viola odorata (Sweet Violet)

These hardy, cultivated Violets grow 6 inches and are covered with flowers in May.

Rosina. Dark rose-pink flowers; fragrant. \$1.20 for 3, \$4 per doz.

Russian Single. Produces great masses of fine, large, deep purple flowers of much fragrance. 75c. for 3, \$2.50 per doz.

Viola cornuta (Tufted Pansies)

While the flowers of the Viola are not so large as those of pansies, they bloom freely. Colors are clear and distinct. 6 in. April.

Admiration. Large; dark blue. 75 cts. for 3, \$2.50 per doz.

Apricot Gem. Blends to a deep orange center. 75 cts. for 3, \$2.50 per doz.

Arkwright Ruby. Burgundy-red flowers. \$1.50 for 3, \$5 per doz.

Blue Butterfly. 90 cts. for 3, \$3 per doz.

Jersey Gem. Rich violet. Foliage bright green. 75 cts. for 3, \$2.50 per doz.

Jersey Jewel. A larger form of Jersey Gem. 90 cts. for 3, \$3 per doz.

Lavender Gem. Fine lavender. 90 cts. for 3, \$3 per doz.

Lutea. Yellow. 75 cts. for 3, \$2.50 per doz.

Maggie Mott. Large; lavender. 90 cts. for 3, \$3 per doz.

Primrose Perfection. 90 cts. for 3, \$3 per doz.

Royal Gem. Large; deep blue; excellent for cutting. 90 cts. for 3, \$3 per doz.

W. H. Woodgate. Bluish mauve blooms. 90 cts. for 3, \$3 per doz.

White Perfection. Pure white. 75 cts. for 3, \$2.50 per doz.

YUCCA filamentosa. Adam's Needle. Foliage evergreen. Creamy white flowers on tall spikes 6 feet high. 1-yr., \$1.05 for 3, \$3.50 per doz.; 2-yr., \$1.35 for 3, \$4.50 per doz.; 3-yr., \$1.80 for 3, \$6 per doz.

PERENNIAL COLLECTIONS: Our selection of varieties: \$2 per doz., \$3.90 for 25, \$7.75 for 50, \$15 per 100

HERB COLLECTIONS: Our selection: Six varieties Decorative Herbs (many possess culinary value also), 3 plants of each, 18 in all, \$4. Twelve varieties, 3 plants of each, 36 in all, \$7.50. See also Culinary Herbs, page 61

★Rock plants

Purchaser pays transportation beyond 50 miles of New York

Pond and Marsh Plants

HARDY WATER-LILIES (Nymphaeas).

White Varieties.

Gladstone. \$1.50 each.

Marliacea albida. \$1.50 each.

Pink Varieties.

Helen Fowler. \$1.50 each.

Marliacea carnea. \$1.50 each.

Rose Arey. \$2 each.

Red Varieties.

Attraction. \$3.50 each.

Gloriosa. \$2.50 each.

Yellow and Bronze Varieties.

Aurora. Yellow, changes to dark red. \$1.50 each.

Marliacea chromatella. Yellow. \$1.50 each.

Paul Hariot. Yellow, shading to red. \$2.50 each.

TROPICAL WATER-LILIES.

Day-Blooming

Dauben. Light blue. \$1 each.

Mrs. G. H. Pring. White. \$1.50 each.

Night-Blooming

Dentata superba. White. \$2 each.

O'Mara. Deep rose-red. \$1 each.

SHALLOW-WATER PLANTS.

Giant Arrowhead. Distinctive leaves shaped as the name indicates. 25 cts. ea.

Cat-tail. Favorite native swamp plants. 50 cts. for 3.

Floating Heart. Produces brilliant yellow flowers. 50 cts. for 3.

Sweet Flag. 50 cts. for 3.

Parrot Feather. 50 cts. for 3.

Pickerel Rush. Blue flowers. 25c. for 2.

Water Cress. 25 cts. for 2.

Wild Rice. 25 cts. for 2, \$1 per doz.

Water Poppy. Flowers yellow, similar to those of the annual poppy. 25 cts. for 2.

SUBMERGED OR OXYGENATING PLANTS.

Vallisneria spiralis. Ribbon Grass; Tape Grass; Italian Vallisneria. 50c. per doz.

Sagittaria gigantea sinensis. Giant Sagittaria. \$1 per doz.

Anacharis. \$1 per doz.

Cabomba. Fanwork; Fish Grass. 15 cts. each, \$1 per doz.

Myriophyllum. \$1 per doz.

Herpestis. 50 cts. per doz.

FLOATING PLANTS.

Water Hyacinth. Purple flowers shaped like the hyacinth. 1½ ft. \$1 per doz.

Water Lettuce. 25 cts. each.

Water Fern. \$1 per doz.

MARSH OR BOG-PLANTS.

Blue Flag. Blue. 1½ ft. 25 cts. each.

Butterfly Lily. White. 50 cts. each.

Forget-me-not. Small blue flowers with golden centers. 50 cts. for 3.

Japanese Water Taro. Black Caladium. 75 cts. each.

Marsh Marigold. Yellow. 25 cts. each.

Pitcher Plant. Produces pitchers which attain a length of from 8 to 12 inches. 25 cts. each.

Spiral Palm. Similar to the Umbrella Palm, but produces greenish white flowers. 25 cts. each.

Umbrella Palm. Slender, drooping foliage at the top of a stem 2 to 3 feet high. 50 cts. each.

Pool or Pond Garden Collections

COLLECTION NO. 1

- 1 Marliacea albida (white)
- 1 Marliacea carnea (flesh-pink)
- 2 Water Hyacinths
- 2 Wild Rice
- 2 Anacharis
- 1 Marsh Marigold

Collection price \$3, Value \$3.90

COLLECTION NO. 2

- 1 Marliacea albida (white)
- 1 Helen Fowler (pink)
- 1 Marliacea chromatella (yellow)
- 3 Giant Arrowheads
- 3 Water Hyacinths
- 3 Sagittaria gigantea sinensis
- 3 Blue Flags

Collection price \$5.50, Value \$6.60

COLLECTION NO. 3

- 1 Gladstone (white)
- 1 Rose Arey (pink)
- 1 Gloriosa (red)
- 1 Aurora (changeable)
- 6 Parrot Feathers
- 3 Myriophyllums
- 3 Water Lettuce
- 2 Umbrella Palms

Collection Price \$9, Value \$10.55

COLLECTION NO. 4

- 1 Helen Fowler (pink)
- 1 Gladstone (white)
- 1 Gloriosa (red)
- 1 Marliacea chromatella (yellow)
- 1 Aurora (changeable)
- 4 Water Poppies
- 12 Vallisneria spiralis
- 6 Water Hyacinths
- 2 Water Lettuce
- 6 Anacharis
- 2 Blue Flags
- 2 Spiral Palms
- 3 Forget-me-nots

Collection Price \$11, Value \$12.50

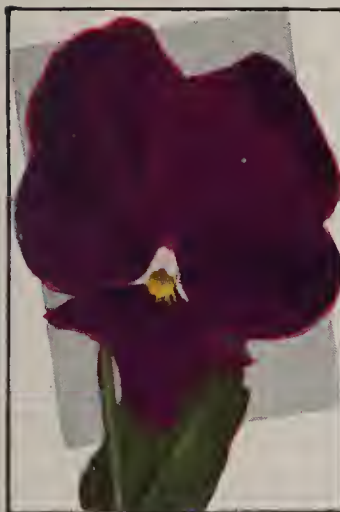
EIGHT S P L E N D I D V I O L A S

Tufted Pansies

Since the Tufted Viola, Jersey Gem, was put on the market, there have been some interesting new introductions. We offer eight varieties suitable for planting in clumps in the perennial border, to fit in the corners of the rockery, to edge your rose-garden or your plantings of tulips. These small, dainty Pansies flower from the early spring until late fall and are a never-ending source of pleasure for cutting for shallow-bowl decorations in the home or the delight which the sight of their fresh, vari-colored faces affords in the garden.



LAVENDER GEM



ROYAL GEM



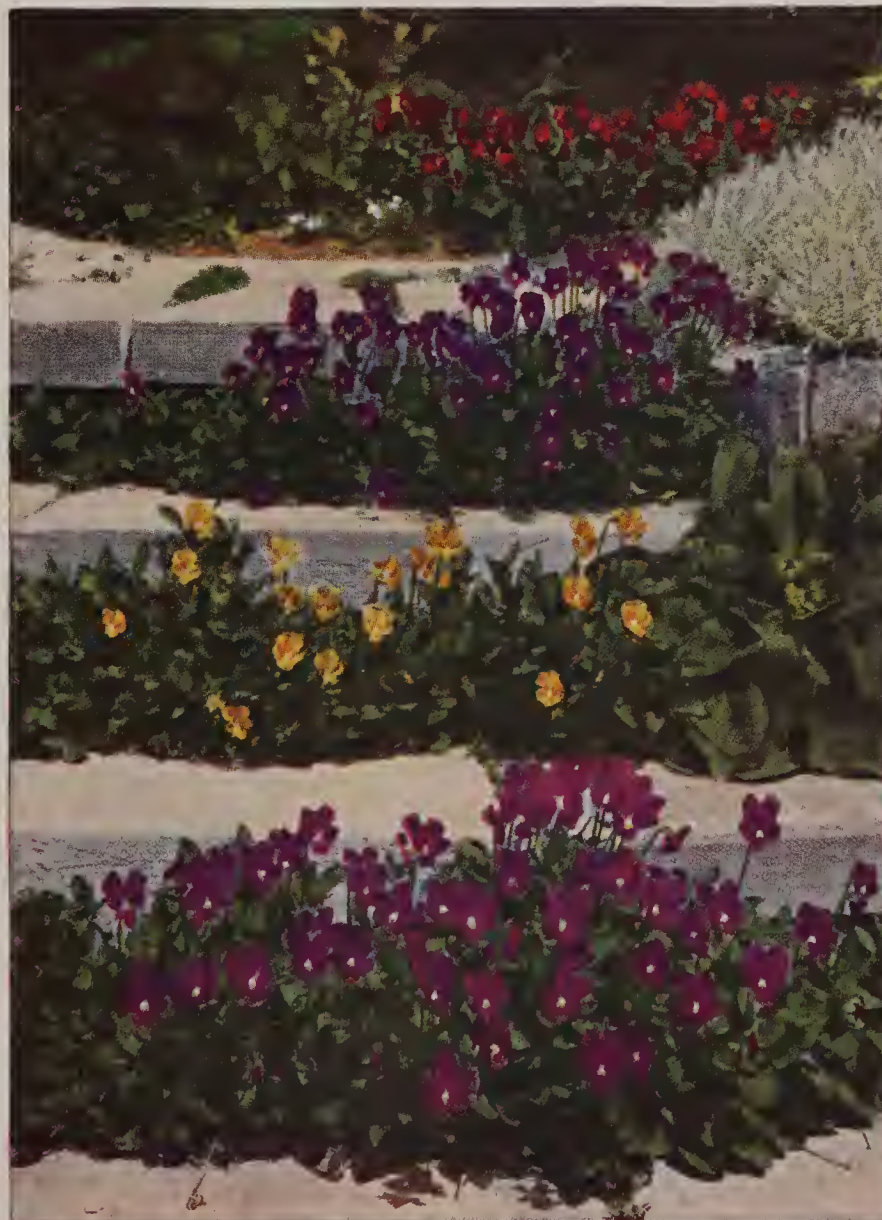
APRICOT GEM



JERSEY GEM

	Three	Doz.	100
Jersey Gem.....	\$0 75	\$2 50	\$18 00
Royal Gem.....	90	3 00	22 00
White Gem.....	75	2 50	18 00
Lavender Gem.....	90	3 00	22 00
Apricot Gem.....	75	2 50	18 00
Jersey Jewel.....	90	3 00	22 00
Arkwright Ruby.....	1 50	5 00	35 00
W. H. Woodgate.....	90	3 00	22 00

*Tufted Pansies remain in bloom all summer
if you pick the flowers*



Violas adorning garden steps growing in a soil pocket especially prepared for them at the back of the stone treads



WHITE GEM



W. H. WOODGATE



ARKWRIGHT RUBY



JERSEY JEWEL

FIVE EVERBLOOMING ROSES

The varieties offered are distinct in their colors and are noted for their free-flowering qualities. Owing to our having had a large quantity specially grown, we are able to offer them at a reduced price.

SPECIAL OFFER: *Collection A* (Dormant plants)

One each of the 5 splendid varieties pictured for **\$3.50**



E. G. HILL. 75 cts. each



MRS. E. P. THOM. 75 cts. each

The prices of the 5 varieties on this page are for dormant plants

After May 15, we supply these varieties growing in 6-inch pots at

\$1 each



AUTUMN. 90 cts. each



PRESIDENT HERBERT HOOVER
75 cts. each



MME. JULES BOUCHÉ. 75 cts. each



©1935

CARILLON. \$1.50 each
Plant Patent No. 136

5 New Worth- While Hybrid Tea Roses



CRIMSON GLORY. \$1.25 each
Plant Patent No. 105



**VIVID
MASON**
\$1.50 each
Plant Patent
No. 52



HINRICH GAEDE. \$1.50 each

The prices
of the
5 varieties on
this page
are for
dormant
plants to
May 15, and
for growing
plants
in pots after
that date

Plant
Patent
No. 104



GLOWING SUNSET (Wilhelm Breder)
\$1.50 each



Plant
Patent
No. 23

Dormant
plants,
\$1.50 each
\$15 per doz.

In Pots, after
May 15 at
same price

BETTER TIMES HT.

©1934



Tom Thumb Rose

Plant Patent pending

The daintiest little red Rose the world has yet seen. Buds the size of a wheat-grain, flowers a thimble can hide, a prosperous plant a coffee cup can cover. Blooms continually and is hardy outdoors. Order promptly; supply limited.

In Pots, \$1 each
3 plants, \$2.50

Award of Merit, A. R. S.

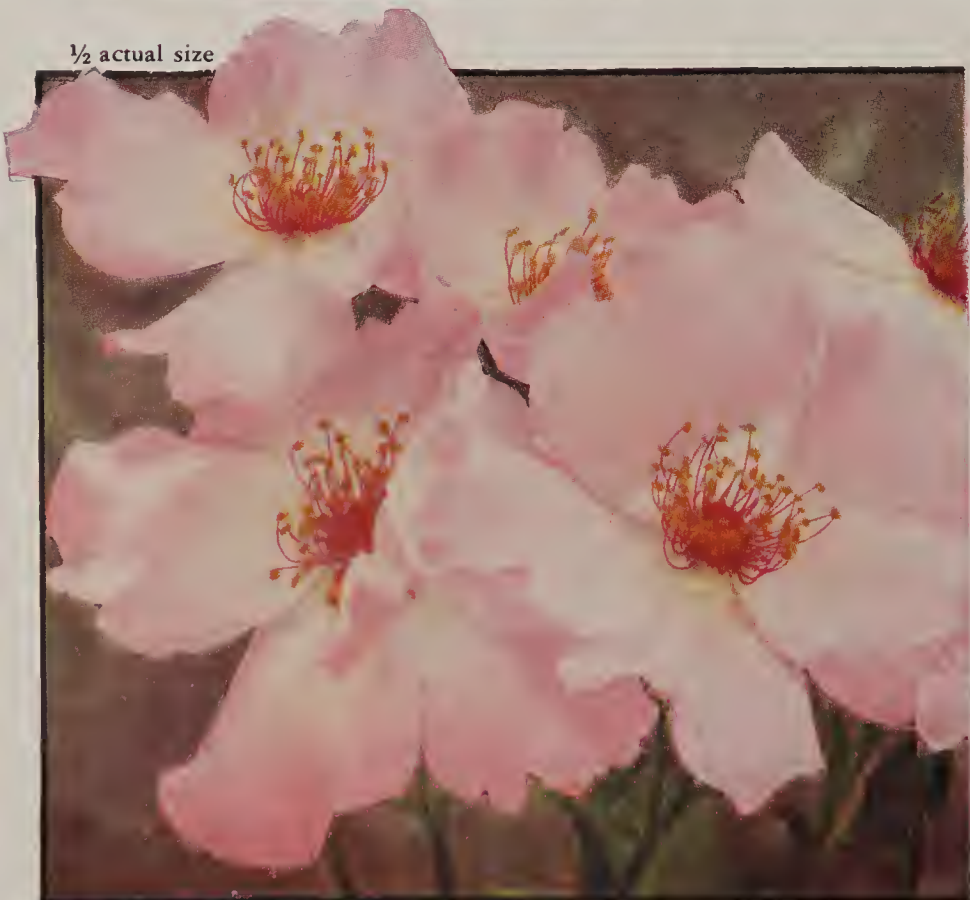


THE SWEETHEART ROSE
CECILE BRUNNER {*Polyantha*}

Dormant plants 75c. each, \$7.50 per doz.

In Pots, after May 15, \$1 each

1/2 actual size



THE PINK DOGWOOD ROSE Dainty Bess {*Hybrid Tea*}
Dormant plants, \$1 each, \$10 per doz. In Pots, after May 15 [88]
same price



THE BLOOM-A-DAY ROSE Plant Patent
LITTLE BEAUTY {*Hybrid Tea*} No. 149

Dormant plants, \$1 each, \$10 per doz. In Pots, after May 15
same price

S. & W. CO.'S HARDY ROSES

Plant them in the spring and they will *bloom this year*, from June to frost. We supply *Dormant Plants* of all varieties up to May 15. We also offer the varieties marked with an asterisk (*) in full leaf, growing in 6-inch pots, after May 15.

Our Storage Facilities Are Ideal

All our dormant Roses are dug in late autumn, the roots being wrapped in damp moss and stored over winter. It is obvious that proper storage is essential for the well-being of living merchandise, and sections of our new building have been designed for this purpose, with modern methods for controlling temperature and humidity. These healthier plants will show superior quality when growing in your garden.

Fifteen Popular Everblooming Roses, Hybrid Tea-Scented

- ***Briarcliff.** An improved Rose of the Columbia type, producing large, pointed, fragrant blooms of a brilliant rose-pink.
- ***Dame Edith Helen.** Flowers are produced singly on strong canes. The color is a brilliant, yet soft Rose du Barri-pink.
- ***Etoile de Hollande.** The flowers are sufficiently double to hold the bud shape well, and a rich, lovely shade of glowing scarlet-crimson.
- ***Golden Dawn.** From the far-off continent of Australia comes this lovely flower of pale golden yellow.
- ***Joanna Hill.** The buds are large, long-pointed, and open to large flowers of a clear yellow with orange-yellow heart.
- ***Kaiserin Auguste Viktoria.** A soft pearly white, faintly tinted lemon in the center. Very fragrant.
- ***Los Angeles.** The growth is very vigorous, and produces a continuous succession of long-stemmed flowers of luminous flame-pink, toned with coral and shaded with translucent gold at the base of the petals.
- ***Margaret McGredy.** Fine, cup-shaped, double flowers of brilliant brick-red with a fiery sheen.
- ***Mme. Edouard Herriot.** The buds are coral-red in color, shaded with yellow at the base; the open flowers are coral-red.
- ***Mrs. Aaron Ward.** Splendidly formed, full, double flowers of a distinct Indian yellow, shading lighter toward the edges.
- ***Mrs. Henry Bowles.** Warm rosy pink blooms of unusual substance shaded with salmon-orange. It is a vigorous grower and should be in every collection.
- ***Radiance.** A brilliant carmine-pink, with salmon-pink and yellow shadings at the base of the petals.
- ***Red Radiance.** A counterpart of Radiance, except in color, which is a clear cerise-red. An excellent variety.
- ***Souvenir de Claudius Pernet.** A hardy everblooming real yellow Rose free from disease and a very strong grower.
- ***Talisman.** Brilliant gold, cerise, scarlet, and pure yellow in indescribable richness and combinations. This Rose caused a sensation when first shown a few years ago.

Even in view of increased costs and shortage of No. 1 grade Roses, we are again able to offer High Quality Roses at an exceptionally low figure: Any of the above varieties, extra-strong Dormant Plants,

75 cts. each, \$2 for 3, \$7.50 per doz.

*These sorts also offered, growing in 6-inch pots, for delivery after May 15, \$1 each

Twenty-nine Outstanding Everblooming Roses

*These sorts also offered, growing in 6-inch pots, for delivery after May 15 at prices noted

- ***Autumn.** Burnt-orange streaked and marked with red. Dormant plants, 90 cts. each, \$9 per doz.; in pots, \$1 each.
- ***Better Times.** Plant Patent No. 23. Brilliant cerise flowers on long stems. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
- Betty Uprichard.** Flowers large, semi-double, light salmon-pink, shaded copper. Dormant plants, 90 cts. each, \$9 per doz.
- Caledonia.** Long buds, lemon-tinted, changing to white as flowers develop. Dormant plants, 90 cts. each, \$9 per doz.
- ***Carrie Jacobs Bond.** Plant Patent No. 158. Named after the author of "End of a Perfect Day." The color is an enchanting rich deep rose. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
- ***Carillon.** Plant Patent No. 136. The long buds are orange-scarlet. The half-open bloom is a deep coral overcast with orange. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
- Charles P. Kilham.** The sweet-scented Rose of a brilliant deep red, flushed with vermilion and tangerine. Dormant plants, 90 cts. each, \$9 per doz.
- Comtesse Vandal.** Plant Patent No. 38. Long-pointed buds of a coppery bronze, suffused with soft gold. Dormant plants, \$1 each, \$10 per doz.
- ***Crimson Glory.** Plant Patent No. 105. A glorious Rose of an intense deep and vivid crimson with velvety nap. Dormant plants, \$1.25 each, \$12.50 per doz.; in pots, \$1.25 each.
- ***Dainty Bess.** A single Rose of perfect form; delicate pink with crimson stamens. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1 each.
- Edith Nellie Perkins.** Blends scarlet-orange, retaining the same color on the outside of the petals as the blooms unfold, disclosing an inner surface of shimmering flesh-pink, tinged with gold. Dormant plants, 90 cts. each, \$9 per doz.
- ***E. G. Hill.** The long buds are a dazzling scarlet, shading to a deeper pure red. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
- Feu Pernet-Ducher.** Plant Patent No. 103. Large, very double, intensely fragrant yellow flower with edges lemon, slightly flushed faint pink. Dormant plants, \$1.50 each, \$15 per doz.
- ***Glowing Sunset.** Plant Patent No. 104. The color is orange, yellow, and rose-pink, blending into a vivid light apricot. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
- Gruss an Teplitz.** Of a rich scarlet, shading to a velvety crimson. Dormant plants, 90 cts. each, \$9 per doz.



Miss Rowena Thom

Exquisite Roses Make Lovely Gardens

Everblooming Roses, continued

- ***Hinrich Gaede.** Large, double blooms of a rich luminous vermillion, shaded golden yellow. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
- Lady Margaret Stewart.** A Rose of unique and distinct color—deep sunflower-yellow, heavily veined and deeply suffused with carmine. Dormant plants, 90 cts. each, \$9 per doz.
- ***Little Beauty.** Plant Patent No. 149. A perfect mass of cerise blooms. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1.
- McGredy's Scarlet.** A superior red Rose on account of its brilliant color. Dormant plants, 90 cts. each, \$9 per doz.
- Mevrouw G. A. van Rossem.** It produces double flowers of golden yellow, heavily flamed. Dormant plants, 90 cts. each, \$9 per doz.
- Miss Rowena Thom.** The deep center glows with vivid Oriental red, shading to rose. Dormant plants, 90 cts. each, \$9 per doz.
- ***Mme. Joseph Perraud.** Nasturtium-buff straying to a luminous shell-pink at the petal edges. Dormant plants, \$3 each, \$30 per doz.; in pots, \$3 each.
- ***Mme. Jules Bouché.** A splendid white. Long-pointed, shapely buds. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
- ***Mrs. Erskine Pembroke Thom.** Slender bright canary buds. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
- ***Mrs. J. D. Eisele.** Plant Patent No. 67. A luscious shade of cherry-rose overlaid with scarlet glow. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1 each.
- ***Nigrette.** Plant Patent No. 87. The black buds open to small-sized dark maroon blooms. Dormant plants, \$2 each, \$20 per doz.; in pots, \$2 each.
- ***President Herbert Hoover.** In color they are a very lovely combination of cerise-pink, flame, scarlet, and yellow, with deeper cerise tints. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
- ***Texas Centennial.** Plant Patent applied for. A sport of President Herbert Hoover. Color is blood-red, toning to cerise-red in center. Dormant plants, \$1 each, \$10 per doz.; in pots, \$1 each.
- ***Vivid Mason.** Plant Patent No. 52. The flowers are a rich, brilliant Oriental red with glowing orange shading. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.

Climbing and Rambler Roses

We offer on this page a selection of the best modern hardy Climbing and Rambler Roses. Climbing Roses require no pruning in the spring, except the cutting out of very old or dead wood, and the shortening of the laterals and long canes to make the growth conform to the space to be covered, but a severe pruning in July, directly after they have finished flowering, is beneficial.

- ***Blaze.** Plant Patent No. 10. Spectacular blazing red blooms, flowering profusely in early summer and some later blooms. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
 - ***Climbing American Beauty.** A pleasing rose-pink. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
 - Dorothy Perkins.** Soft shell-pink, flowering profusely. Dormant plants, 75 cts. each, \$7.50 per doz.
 - Dr. W. Van Fleet.** The long, pointed buds are of a rich flesh-pink. Dormant plants, 75 cts. each, \$7.50 per doz.
 - ***Easlea's Golden Rambler.** Plant Patent No. 114. Long-stemmed clusters of large, chrome-yellow and maddery orange blooms. Dormant plants, \$2 each, \$20 per doz.; in pots, \$2 each.
 - Jacotte.** Color shrimp-pink, shaded golden yellow at base. Dormant plants, 75 cts. each, \$7.50 per doz.
 - ***Mary Wallace.** Large, rose-pink flowers. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
 - Mme. Gregoire Staechelin.** The buds are crimson, then show splashes of carmine as the flower opens. Dormant plants, 75 cts. each, \$7.50 per doz.
 - ***New Dawn** (The Everblooming Dr. W. Van Fleet). Plant Patent No. 1. Really the most satisfactory Everblooming Climber introduced and a variety that every Rose-lover will be anxious to possess. Flesh-pink in color. Dormant plants, \$1.50 each, \$15 per doz.; in pots, \$1.50 each.
 - ***Paul's Scarlet Climber.** A vivid scarlet which does not bleach or fade. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
 - ***Primrose.** A real hardy yellow Rambler. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
 - ***Silver Moon.** Pure white in color. Dormant plants, 75 cts. each, \$7.50 per doz.; in pots, \$1 each.
- *These sorts also offered, growing in 6-inch pots, for delivery after May 15 at prices noted

Hardy Hybrid Perpetuals

The June-Blooming Rose

- Frau Karl Druschki.** Pure white in color.
 - General Jacqueminot.** Brilliant scarlet-crimson.
 - Georg Arends.** Long, pointed blooms of soft pink.
 - Magna Charta.** Bright pink; very large.
 - Mme. Albert Barbier.** Large, creamy pink.
 - Paul Neyron.** Perhaps the largest of all; dark rose in color.
 - Ulrich Brunner.** Flowers of cherry-red.
- Any of above, field-grown plants, 75 cts. each, \$7.50 per doz., \$60 per 100

We deliver Roses free within 50 miles of New York. Purchaser pays transportation to points beyond.

Miscellaneous Roses

- F. J. Grootendorst** (Crimson). Valuable as an isolated specimen, and among shrubs. It is absolutely hardy and continues in bloom until late in fall. 75 cts. each, \$7.50 per doz., \$60 per 100.
- Pink Grootendorst.** 75 cts. each, \$7.50 per doz., \$60 per 100.
- Hugonis Rose.** Valuable for planting with other shrubs or as a single specimen in the garden. Its single, delicate yellow flowers are produced on long, arching sprays early in May. 75 cts. each, \$7.50 per doz., \$60 per 100.
- Rosa Rouletti.** Dwarf or Miniature Rose. A real find for edging, either for a Rose-bed or a perennial bed. Exceptional for rock-gardens. Makes a compact, shapely plant, very bushy, only about 8 inches high, with dainty, finely cut, light green foliage which is almost evergreen. The tiny flowers are double, soft pink in color, and less than an inch in diameter. Blooms from early summer until frost. It is perfectly hardy, having been tested in the extreme cold of New England where it is known to retain its foliage all winter. It was originated in the Swiss Alps, where it has to be robust to stand the intense cold. There is nothing else like it. Fills a long-felt want for a miniature Rose for rockeries. Instead of growing tall, it branches in width, remaining symmetrical. \$1 each, \$10 per doz., \$75 per 100.
- Rosa Lawranceana, Tom Thumb.** Plant Patent applied for. Deep crimson bud the size of a wheat-grain, and slightly lighter blooms that can open in a thimble. The plant is so small that a coffee cup will cover it. Very hardy. Fine for the rock-garden. \$1 each, \$10 per doz.
- Rosa rugosa.** Bristly thorns and single crimson flowers. 75 cts. each, \$7.50 per doz., \$60 per 100.

Baby Ramblers or Polyanthas

This type of Rose forms shapely, compact, bushy specimens, most of the varieties growing about 1½ feet high.

- Cecile Brunner** (Sweetheart Rose). Dainty flowers of soft rosy pink.
- Ideal.** Beautiful dark red.
- Miss R. M. Finch.** Double; soft rosy pink.
- Gloria Mundi.** The striking new orange-scarlet.

Any of above, 75 cts. each, \$7.50 per doz., \$60 per 100

Moss Roses

Moss Roses derive their name and beauty from the delicate mossy covering which surrounds the buds and gives the opening flowers a rather unique appearance.

- Blanche Moreau.** Pure white.
- Crested Moss.** Rose.
- Henri Martin.** Crimson.
- Salet.** Light rose-pink.

Any of above varieties, 75 cts. each, \$7.50 per doz., \$60 per 100

Tree Roses

Pot-plants only, ready May 15

- Etoile de Hollande** (Red)
- Mrs. E. P. Thom** (Yellow)
- Pink Radiance**
- President Herbert Hoover**
- Red Radiance**
- Talisman**

Any of above varieties, \$3.75 each



Texas Centennial

Fruit Trees, Bush Fruits, and Grape - Vines

We furnish high-quality, clean plants which, if treated with average care, are sure to succeed. When received they should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, they must be watered and mulched. **Shipping Season, April and May.** Purchaser pays transportation beyond 50 miles of New York.

Apple Trees

5 to 7-foot standards; main stem $\frac{1}{2}$ -inch diameter. \$1.50 each

Baldwin. (Early Winter.) Large; skin deep red; flesh juicy, crisp, good flavor.

Delicious. (Early Winter.) Large; dark red; flesh fine-grained, crisp, and melting, juicy, with splendid flavor.

Early McIntosh. (Summer.) Same qualities as famous Winter McIntosh, but ripens in summer.

Hyslop. (Crab.) Large, handsome crimson fruits splashed with dark red. Very prolific.

Yellow Transparent. (Early Summer.) Fruit medium to large, with a brilliant yellow, waxy skin; flesh is tender, crisp, and juicy.

Peach Trees

4 to 5-foot standards; main stem $\frac{3}{8}$ -inch diameter. \$1.50 each

Belle of Georgia. (Late.) Freestone. Fruit large, white with red cheek.

Champion. (Early.) Rich creamy white with red cheek; delicious, rich, and juicy.

Crawford's Early. Freestone. Large, oblong yellow fruit, with deep red cheek; flesh yellow, juicy, and rich.

Crawford's Late. Freestone. Large; deep yellow, juicy. Ripens after Elberta.

Elberta. (Midseason.) Freestone. Fruit large, yellow, with red cheek, of good quality. The leading market variety.

Cherry Trees

5 to 6-foot standards; main stem $\frac{1}{2}$ -inch diameter. \$2.50 each

Black Tartarian. (Early; Sweet.) Very large; black; rich. Very vigorous grower and good producer.

Governor Wood. (Early; Sweet.) Large; yellow with red cheek; tender, rich, delicious. Productive.

Pear Trees

5 to 7-foot standards; main stem $\frac{1}{2}$ -inch caliper. \$1.50 each

Bartlett. (Late Summer.) Large; flesh white, fine-grained, luscious, sweet, rich, buttery flavor.

Duchess. (Late Fall.) Fruit large, light green patched with russet, juicy and sweet.

Seckel. (Summer.) Medium size; yellowish brown with deep brownish red cheek; flesh fine-grained, sweet, and juicy.

Plum Trees

5 to 6-foot standards; main stem $\frac{1}{2}$ -inch diameter. \$1.50 each

Abundance. Fruit large; flesh light yellow, juicy and sweet.

Burbank. Fruit very large; dark violet-red; juicy.



Strawberry Plants

After a very careful check on the many varieties of Strawberries, we list below the best in cultivation today. We can supply layer plants from April until June, and after that date, potted plants.

Everbearing Varieties

Mastodon. Fruit is very large and produces berries from summer to late fall.

Progressive. Produces fruit all season. Berries of medium size and full flavored.

Layer Plants, 50 cts. per doz., \$2.50 per 100,
\$15 per 1000

Potted Plants, \$2 per doz., \$10 per 100,
\$80 per 1000

Standard Varieties

EARLY

Dorsett. A very vigorous-growing variety. Early. Bright red, cone-shaped berries.

Fairfax. Berry of exceptional firmness and high dessert quality. A prolific bearer.

NOTE.—The above two varieties are of recent introduction, having been originated by the U. S. Department of Agriculture in 1923 and offered to the public for the first time in 1933. In view of the fact that for the past two seasons the supply of these two varieties was rather limited, we have been unable to offer them to our patrons hitherto, but now that we have sufficient stock are pleased to bring them to your attention.

Layer Plants, 50 cts. per doz., \$2.50 per 100,
\$15 per 1000

Potted Plants, \$2 per doz., \$10 per 100,
\$80 per 1000

MIDSEASON

Big Joe. A very productive variety with extremely large, beautiful berries, and one of the best-flavored sorts. In size, firmness, yield, color, and quality, it leads.

New York. Plants are large and healthy. Fruit extremely large, well colored.

Layer Plants, 40 cts. per doz., \$2 per 100,
\$10 per 1000

Potted Plants, \$1.50 per doz., \$8 per 100,
\$70 per 1000

LATE

Chesapeake. Has a beautiful appearance. Extra large and even in shape.

Lupton Late. Produces an abundance of large, bright flame-colored berries.

Layer Plants, 40 cts. per doz., \$2 per 100,
\$10 per 1000

Potted Plants, \$1.50 per doz., \$8 per 100,
\$70 per 1000

BUSH FRUITS

We cannot ship CURRANTS and GOOSEBERRIES outside of New York State due to Federal Quarantine

Blackberries

Blackberries should be planted as suggested for raspberries.

Extra-strong canes, 20 cts. each, \$2 per doz.,
\$15 per 100

Blowers. Large; glossy; fine quality.

Eldorado. Large, coal-black, sweet, melting.

Gooseberries

Plant in the same manner as described for currants. They will need close pruning every year.

3-year-old stock, 50 cts. each, \$5 per doz.,
\$40 per 100

Downing. Pale green, large, prolific and good.

Houghton. (Red.) The berries are of medium size.

Currants

Plant in rows 6 feet apart, and 4 feet apart in the rows, or, if to be cultivated both ways, 5 feet apart each way. The soil should be well cultivated to a depth of 12 inches.

3-year-old stock, 35 cts. each, \$3.50 per doz.,
\$25 per 100

President Wilder. Bush upright, vigorous, bearing excellent, large, bright red berries.

Fay's Prolific. (Red.) A very vigorous-growing bush.

Grapes

High-Quality 2-year-old Vines, 50 cts. each,
\$5 per doz.

Catawba. (Red.) Dark red. Bunch large, moderately compact, shouldered; berries medium large.

Concord. (Black.) Early. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender.

Grapes, continued

Delaware. (Red.) Bunch small, compact, sometimes shouldered; berries small; skin thin, but firm.

Niagara. (White.) Bunch very large, often shouldered; compact; berries large, round; skin thin.

Raspberries

Raspberries succeed well on any good land, but amply repay high cultivation. Ground bone is the best fertilizer. Plant in rows 6 feet apart and 3 feet apart in the rows.

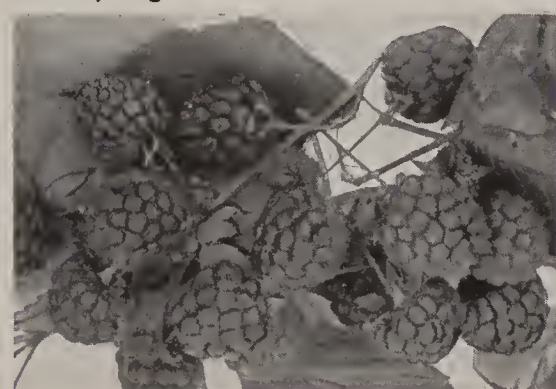
Price, except where noted, 20 cts. each,
\$2 per doz., \$15 per 100

Latham. The berries are large and round and the color is a richly brilliant red.

Cuthbert. (Red.) The best red Raspberry. Heavy yielder and is a very vigorous grower.

White Queen. This wonderful new Raspberry bears an abundance of almost white fruits. 30c. each, \$3 per doz., \$20 per 100.

St. Regis. Ripens very early, in advance of other varieties. Besides yielding a crop in June, it gives a moderate one in autumn.



St. Regis Raspberries

Hardy Flowering Shrubs

Shrubs are of great importance for the ornamentation of home-grounds. They have many uses; some are valuable as cut-flowers, while others are as decorative as any ornamental foliage plant. They may be used as a background for the flower border, and for hiding an unsightly building, fence or foundation. Soil where they are to be planted should be well spaded and enriched with bonemeal. Unless a very immediate effect is required, sufficient space should be allowed between them to permit of full development—3 feet for dwarf varieties and 5 feet for the taller ones.

Prices on all Shrubs, unless otherwise noted, 75 cts. each, \$7.50 per doz.

Purchaser pays transportation beyond 50 miles of New York. Add 10 per cent for postage to your remittance if you wish delivery by mail

Abelia grandiflora

The habit and foliage are distinctly ornamental, and it blooms almost continuously from early summer until frost. The flowers are white, tinted lilac. Matured height 3 to 4 feet. 2 to 3-ft. plants, \$1 each, \$10 per doz., \$75 per 100.

Almond, Flowering

Amygdalus

The flowers are borne on its slender branches during May, and are very fragrant. 5 to 6 feet high.

Pink. Double-flowering; pink.

White. Double-flowering; white.
3 to 4-foot plants

Althea (Rose of Sharon)

The Altheas are among the most valuable of our tall, hardy shrubs on account of their late blooming, which is from August to October. We offer in four colors. 10 to 12 feet high when mature. **Red, Pink, White,** and **Purple.** 3 to 4-foot plants.

New Red-Leaved Japanese Barberry

The finest shrub novelty of recent years. Identical with the Green-leaved Barberry, except that the foliage is a rich, lustrous bronze-red which becomes more vivid as the season advances. 1½ to 2-foot, 2-year-old plants.

Buddleia variabilis Veitchiana

Butterfly Shrub; Summer Lilac

The flowers are of a pleasing shade of violet-mauve, and are borne in dense, cylindrical spikes from 12 to 15 inches in length by 3 inches in diameter. The plant dies down in winter, coming up the following spring. 5 to 6 feet high when mature. 3 to 4-foot plants.

Dogwood (Cornus)

Florida. Handsome, small trees covered with large, four-petaled white flowers in spring; beautiful, glossy foliage. 15 to 20 feet high when mature. 3 to 4 feet, \$1.50 each, \$15 per doz.

Florida rubra. Like the preceding, except that the flowers are bright pink. 15 to 20 feet high when mature. 4 to 5 feet, \$4 each, \$40 per doz.

Sibirica (Siberian Dogwood). This type of Dogwood differs from the above in that it is distinctly shrubby in growth. It is a strong variety with small white flowers. The branches are crimson colored in winter. 8 to 10 feet high when mature. 3 to 4-foot plants.

Deutzia

Gracilis. A great favorite. Dwarf, covered with spikes of pure white flowers in early summer. 1½ to 2-foot plants.

Pride of Rochester. A fine, tall-growing, double, white-flowering variety. 9 to 10 feet high when mature. 3 to 4-foot plants.

Forsythia

A very decorative shrub with bright golden yellow, star-shaped flowers which burst into bloom at the beginning of spring while the bush is otherwise bare.

Suspensa (Weeping Golden Bells). A tall shrub of willowy growth, the branches gracefully arching. 4 to 6 feet high when mature. 3 to 4-foot plants.

Viridissima (Golden Bells). Similar to the above but of more erect habit. 7 to 8 feet high when mature. 3 to 4-foot plants.

Hydrangea

We offer two varieties of this, perhaps the most popular of flowering shrubs.

Arborescens grandiflora (Snowball Hydrangea). This magnificent, perfectly hardy American shrub has snow-white blossoms of largest size. 4 to 5 feet high when mature. 2 to 3-foot plants.

Paniculata grandiflora. The flowers, which are borne in dense, pyramidal panicles a foot long, are white when they first open but gradually change to rose color. 8 to 9 feet high when mature. 2 to 3-foot plants.

Kerria (Corchorus)

Japonica flore-pleno. Attractive golden yellow flowers are borne continuously from June to October. 4 to 5 feet high when mature. 2 to 3-foot plants, \$1 each, \$10 per doz.

Kolkwitzia amabilis

Beauty Bush

Mature plants of this introduction appear like a cloud of beautiful pink when in flower. Attains a height of 4 to 6 feet. 2 to 3-foot plants.

Malus (Flowering Crab)

Bechtel's Double-flowering. The Flowering Crab is valued not only for its beautiful blossoms but for the handsome fruits, which in the fall are attractive to us. In the spring a well-grown plant is a mass of bloom. 3 to 4-foot plants.

Philadelphus (Mock Orange)

This old-fashioned sweet-scented shrub has long been a close rival of the lilac in popularity. **Coronarius.** This variety has large white flowers. 10 feet high when mature. 3 to 4-foot plants.

Prunus

Pissardi (Purple-leaved Plum). A dwarf shrub covered with single white flowers in spring. When they first appear the leaves are crimson, changing to rich purple. 12 to 15 feet high when mature.

Triloba (Double-flowering Plum). An interesting shrub, bearing in early spring semi-double, delicate pink flowers. 7 to 8 feet high when mature.

Serrulata (Japanese Flowering Cherry). The blossoms of these trees appear in April. The sudden transition from bleak winter to spring, with a display of blossoms, is startling, and the beauty of the trees a sight to behold. Double-flowering Pink and White. 2 to 3-foot plants, \$2 each, \$20 per doz.

Pyrus (Cydonia) japonica

Flowering Quince

A showy shrub that blooms profusely in early spring; flowers dazzling scarlet. 4 to 5 feet high. 2 to 3-foot plants.

Spiraea

Anthony Waterer. Color bright crimson. It is of dwarf, dense growth, and blooms the entire summer and fall. 3 feet high when mature. 1½ to 2-foot plants.

Van Houttei. Of compact habit and, when in flower, the white blossoms almost entirely cover the foliage. 8 feet high when mature. 3 to 4-foot plants.

Symphoricarpos

Racemosus. A dwarf shrub with pink flowers and white berries. 5 to 6 feet high when mature. 3 to 4-foot plants.

Vulgaris. Similar to the above, but with bright red fruit. 4 to 5 feet high when mature. 3 to 4-foot plants.

Syringa or Lilac

We offer two very satisfactory varieties.

Common Purple (*Syringa vulgaris*).

Common White (*S. vulgaris alba*).

2 to 3-foot plants

Viburnum

Plicatum (Japan Snowball). The perfect balls of pure white flowers are borne in great profusion in May. 7 to 8 feet high. 2 to 3-foot plants.

Weigela

These are among the most popular flowering shrubs, covered in May and early June by their large, trumpet-shaped flowers.

Eva Rathke. Blooms all summer. The flowers are ruby-carmine. 5 feet high when mature. 2 to 3-foot plants.

Rosea. Soft rosy carmine. 8 feet high when mature. 3 to 4-foot plants.

Plant the Fragrant Virgin's Bower and the Wondrous Passion Flower

HARDY CLIMBING PLANTS

Ampelopsis

Boston Ivy; Japan Ivy

Veitchi. This is the most popular of all climbing plants and attains a height of 30 feet in two or three years; clings to stones, brick, or woodwork. 50 cts. each, \$5 per doz., \$40 per 100.

Quinquefolia (Virginia Creeper; American Ivy). The large, deep green foliage assumes brilliant shades of yellow and scarlet in the fall. 50 cts. each, \$5 per doz.

Aristolochia Sipho

Dutchman's Pipe Vine

A vigorous and rapid-growing climber, bearing brownish-colored flowers which resemble a pipe in shape. \$1 each, \$10 per doz.

Bignonia radicans

Scarlet Trumpet Vine

For covering unsightly places, stumps, rockwork or planting in crevices in ledges. The flowers are large and borne profusely when the plant attains a fair size. 75 cts. each, \$7.50 per doz.

Celastrus scandens

Bittersweet or Waxwork

One of our native climbing plants with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit. \$1 each, \$10 per doz.

Clematis

The soil for Clematis should be well drained and of a light, loamy texture. It should be of good depth, as the plant dislikes limited root-space. It is greatly helped by occasional dressings of lime.

Large-flowered Hybrids

Duchess of Edinburgh. Large, double white flowers. \$1.50 each, \$15 per doz.

Jackmani. A perfect mass of bloom when in full flower. Color dark, rich, royal purple. \$1 each, \$10 per doz.

Henryi. Pure white; large and remarkably handsome. \$1 each, \$10 per doz.

Mme. Baron-Veillard. Striking pale lilac-rose blooms. \$1.50 each, \$15 per doz.

Mme. Edouard Andre. Unusual reddish purple flowers. \$1.50 each, \$15 per doz.

Ville de Lyon. Bright red, well-formed flowers. A very fine variety. \$1 each, \$10 per doz.

Small-flowering Varieties

Crispa. Small, bell-shaped, purple flowers. Most unusual. \$1 each, \$10 per doz.

Paniculata (Japanese Virgin's Bower). The flowers appear in profusion during August, and continue until late in the fall, are white in color and deliciously fragrant. 50 cts. each, \$5 per doz.

Texensis (*C. coccinea*). Urn-shaped, vivid scarlet blooms. \$1 each, \$10 per doz.

Euonymus

Radicans. Deep evergreen foliage. It is hardy and useful for covering low foundation walls. 50 cts. each, \$5 per doz.

Radicans vegetus (Evergreen Bittersweet). Produces bright orange-red berries which remain on the plant the greater part of the winter. 75 cts. each, \$7.50 per doz.

Honeysuckle

Halliana (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort. White flowers changing to yellow; very fragrant. 50 cts. each, \$5 per doz.

Scarlet Trumpet. This is the handsomest variety in cultivation. It produces inodorous flowers. 50 cts. each, \$5 per doz.

Passiflora caerulea

Passion Flower

A curiously beautiful flower with creamy white petals and a fringed crown or halo of clear blue and purple rays around the mysterious center. Vigorous vine which will need protection at the root in northern climates. Pot-plants, delivery May 1, \$1 each, \$10 per doz.

Polygonum Auberti

Silver Lace Vine

The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing through the summer and fall great foamy sprays of white flowers. \$1 each, \$10 per doz.

Wisteria

The ideal conditions for Wisterias are a well-drained loam, sunshine and plenty of moisture, but, given all these, the plants often refuse to flower. Wisterias are quite difficult to transplant. These are all strong, 2-year-old, grafted plants which more definitely assure flowering in from 2 to 3 years.

Sinensis (Chinese Wisteria). A most beautiful climber. When established it grows 15 to 20 feet in a season. Flowers pale blue. \$1 each, \$10 per doz.

Sinensis, White. A white-flowering form. Strong plants, \$1 each, \$10 per doz.

HEDGE PLANTS

Berberis Thunbergi. *Japan Barberry.* It requires but little pruning to keep it in shape. The leaves are small, light green, and towards fall assume rich, brilliant colors, the fruit or berries becoming scarlet. Extra-strong, 1½ to 2 ft., 4 to 6 branches, packed in bundles of 10 or 25 at \$3 for 10, \$6.50 for 25, \$20 per 100.

California Privet. *Ligustrum ovalifolium.* This is, perhaps, the most popular of all the hedge plants. To get best results, plants should be set 1 foot apart in double rows in zigzag fashion, so that the plants are diagonally opposite each other. This practically places them 6 inches apart, which is desirable to get quick, dense growth. Extra-strong, 3-foot plants, \$2 for 25, \$6 per 100, \$50 per 1000.

BROAD-LEAVED EVERGREENS

Azaleas

Amœna. A compact plant somewhat spreading in habit. Foliage turns a bronzy tone in winter. Flowers are rosy purple. 18 to 24 in., \$2 each; 24 to 30 in., \$3 each.

Amœna coccinea. A new evergreen Azalea, with bright crimson or cherry-red flowers. 10 to 12 in., \$2 each; 18 to 24 in., \$3.50 ea.

Hinodegiri. Similar to the familiar Amœna in habit, but instead of the uncertain purple color of that variety, Hinodegiri is brilliant crimson-scarlet, a clear, handsome shade that everybody likes. One of the showiest plants for gorgeous landscape color effect. 10 to 12 in., \$1.25 each, \$12.50 per doz.; 12 to 15 in., \$2 each, \$20 per doz.

Kaempferi. An extremely popular class of Japanese Azaleas. We have an exceptionally fine stock of plants, all of which are oversized, well branched, and budded. We have them in three colors: Brick-Red, Pink, and Purple. 18 to 24 in., \$3 each.

Kaempferi Hybrids, Mixed. Includes the three colors previously named, but sold as mixture only. 18 to 24 in., \$2.50 each; 30 to 36 in., \$5 each.

HARDY HYBRID RHODODENDRONS

Grafted Named Varieties

Well-budded Plants—Beautifully Shaped

Roseum elegans. Clear rose-pink. An excellent Rhododendron in every respect, with lovely foliage.

Catawbiense album. This is the well-known, fast-growing white Rhododendron.

Amphion. A beautiful clear pink with white eye.

Dr. Dresselhuys. Aniline-red; large petals and trusses. Unusual. One of the best new creations.

Mrs. C. S. Sargent. Fine dark pink or rosy red. Exceptionally fine foliage. Slow growing. Makes unusually fine specimen plant.

15 to 18 in., \$4 each; 18 to 24 in., \$5;
24 to 30 in., \$7

Select Hybrid Rhododendron Seedlings. Mixed Brilliant Colors

These are strong, well-rooted seedlings from seed collected from the finest English named varieties, including a wide range of desirable colors, mostly in the darker shades.

8 to 12-in. plants, very bushy. 65 cts. each, \$6.25 for 10, \$60 per 100.

12 to 15-in. plants, very bushy. \$1 each, \$9 for 10, \$80 per 100.

15 to 18-in. plants, very bushy, well budded. \$2 each, \$18 for 10, \$160 per 100.

18 to 24-in. plants, very bushy, well budded. \$3 each, \$27 for 10, \$250 per 100.

Boxwood

For Edging

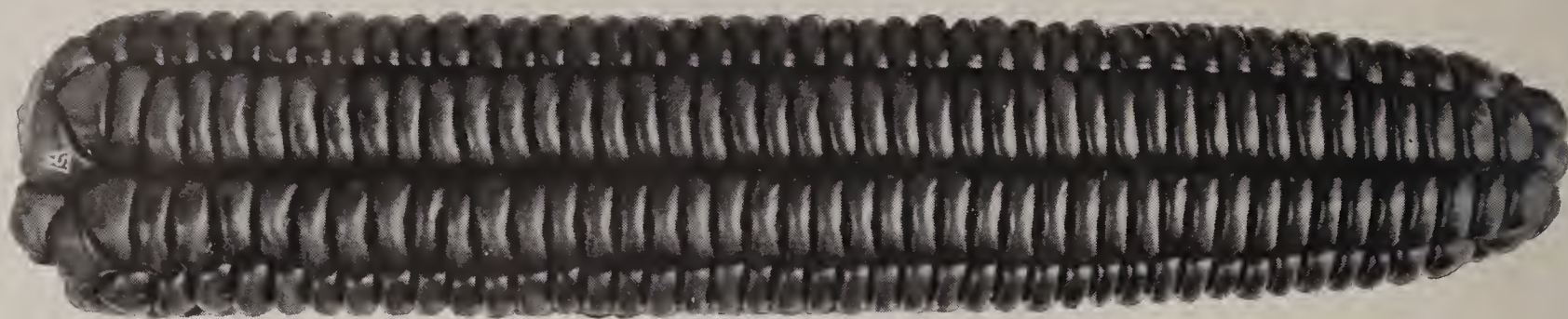
Buxus suffruticosa. The true form of the English edging Boxwood and invaluable for edging walks and borders.

4 to 6 in., 30 cts. each, \$3 per doz., \$22.50 per 100, \$200 per 1000.

6 to 8 in., 60 cts. each, \$6 per doz., \$45 per 100, \$400 per 1000.

Purchaser pays transportation on plants beyond 50 miles of New York. Add 10 per cent for postage to your remittance if you wish delivery by mail.

Farm Seeds of High Quality



Longfellow Flint Corn

Purchaser pays transportation on Farm Seeds beyond 50 miles of New York

IMPROVED FIELD CORN

After frost is over, sow 1 peck per acre for the production of ears, $\frac{1}{2}$ bushel per acre for silage. Rows should be wide enough apart to allow horse or tractor cultivation.

Flint Corns and early varieties of Dent Corn are quick-growing plants of moderate size and are grown for the production of ears. Slower-growing Dent sorts are larger and are planted for both ears and leaves. Fodder varieties are still larger and are cultivated for their leaves; these are fed dry or the entire plant stored for winter as silage.

Prices are subject to change

Golden Eureka (Dent). An improved type of the well-known Leaming variety. Under favorable conditions may yield over 150 bushels to the acre. Grows 12 feet high; ears average 12 to 15 inches long, 18 to 20 rows, yellow grains, and small cob. Frequently produces 25 tons of good silage per acre. Needs 100 days of Corn weather. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Cornell No. 11 (Dent). A 110- to 115-day yellow Corn for silage as well as grain. Ears 9 to 10 inches, 14- to 18-rowed, with small red cobs. Grows 8 to 9 feet tall. Pk. \$1.35, bus. \$4.25, 10 bus. \$40.

Lancaster Sure Crop (Dent). Excellent early yellow Corn; makes an abundance of silage, while the ears average 1 foot. Stalks 9 feet high. Matures in 107 days. Pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Luce's Favorite (Dent). Quick-growing, and yielding two and three ears per plant, 8- to 12-rowed, with golden kernels. Strong grower. An excellent silo sort. Pk. \$1.35, bus. \$4.25, 10 bus. \$40.

Longfellow (Flint). Ears 12 inches long; cobs small; kernels of good size. Safe for the production of ears as far north as Massachusetts because of its quick growth. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4, 10 bus. \$38.

Southern Hybrid Sweepstakes. (Fodder.) A cross between inbred strains of the heaviest yielding and largest stalked late southern ensilage variety, and the heaviest yielding early northern fodder Corn. Makes a large stalk and heavy tonnage, and will often mature a yield of sound grain before frost in the North. Qt. 35 cts., postpaid 50 cts.; pk. \$1.65, bus. \$5.50, 10 bus. \$52.50.

Jumbo Silage. (Fodder.) Improved West Branch Sweepstakes. Large plant, 12 to 15 feet high. Recommended for low, rich lands. Pk. \$1.50, bus. \$4.50, 10 bus. \$42.

Improved Horsetooth. (Fodder.) For silage only. Pk. \$1.25, bus. \$3.50, 10 bus. \$32.50.

Evergreen. (Fodder.) A sweet Corn valuable as silage or green fodder. Use double the seeding rates suggested above. Pk. \$1.65, bus. \$5.50, 10 bus. \$52.50.

POP-CORN

Slow curing under cover in thin layers and with maximum ventilation ensures good popping quality. Sow 5 pounds per acre in hills.

Sunburst. Fine large, yellow kernels that have a buttery tint when popped. Lb. 25c., postpaid 35c.; 10 lbs. \$2, 100 lbs. \$15.

White Pearl. Small, smooth kernels. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.

SEED OATS

Superior varieties often weigh up to 40 pounds per measured bushel, but are sold at the standard weight of 32 pounds per bushel. For production of grain, use $2\frac{1}{2}$ bushels per acre; for forage, 3 bushels. Sown with Canada Peas, $1\frac{1}{2}$ bushels each of Oats and Peas per acre. Prices are subject to change.

Storm King. Fine hardy Tartar side-Oat, with stout straw that does not readily lodge. Yields of over 100 bushels per acre have been reported. Qt. 20 cts., postpaid 30 cts.; pk. 85 cts., bus. (32 lbs.) \$2.50, 10 bus. \$22, 100 bus. \$200.

Welcome. Heavy, handsome, and productive variety. Pk. 60 cts., bus. (32 lbs.) \$1.85, 10 bus. \$17.50, 100 bus. \$165.

White Tartar. Pk. 80 cts., bus. (32 lbs.) \$2.35, 10 bus. \$21, 100 bus. \$190.

Cornellian. Gray-kerneled, high-yielding, heavy Oat. Heads are large and branching. Pk. 75 cts., bus. (32 lbs.) \$2.25, 10 bus. \$20, 100 bus. \$185.

SPRING BARLEY

Alpha. High-yielding and very satisfactory. The kernels are large, plump, and heavy. Splendid for the dairy farmer who uses one bushel each of Barley, Oats, and Field Peas to the acre. When used alone, sow $1\frac{1}{2}$ to 2 bushels per acre, May 15 to July 1. Qt. 20 cts., postpaid 35 cts.; pk. 85 cts., bus. \$2.75, 10 bus. \$25.

SPRING RYE

Used as a catch-crop to sow where winter grain has failed; valuable along with Vetch as a plow-under crop for soil-improvement, using $\frac{1}{2}$ bushel with 75 pounds of Vetch. When grown alone, sow $1\frac{1}{2}$ bushels of Rye per acre. Qt. 20 cts., postpaid 35 cts.; pk. \$1, bus. \$3.25, 10 bus. \$30.

SPRING WHEAT

Sow in spring, $1\frac{1}{2}$ to 2 bushels per acre. **Marquis.** A heavy cropping, hard, beardless variety. Qt. 20 cts., postpaid 35 cts.; pk. \$1.25, bus. \$3.50, 10 bus. \$32.50. **Wheat for Cooking.** Lb. 15 cts., postpaid 25 cts.; 10 lbs. \$1, 100 lbs. \$8.

MILLET

Catch-crops to replace corn, wheat, or other crop which may have failed. They are fed green, or as silage or hay.

Golden. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.40, 100 lbs. \$9.

Hungarian. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.40, 100 lbs. \$9.

Japanese Barnyard. Sow 25 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

KAFFIR CORN

For semi-arid regions. Valuable for poultry, hogs, and cattle; not suitable for pasture. Sow 15 pounds per acre in rows; 50 pounds per acre broadcast. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

MILO MAIZE

Used for soiling and fodder. Sow 15 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.25, 100 lbs. \$8.

SORGHUMS

AMBER SUGAR-CANE. Sow 50 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUDAN GRASS. Sow 30 pounds per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

BROOM CORN. Sow 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

JAPANESE BUCKWHEAT. More prolific than other sorts, and the grains are nearly twice as large. Sow about the middle of June, broadcast, $1\frac{1}{2}$ bushels per acre. Qt. 20 cts., postpaid 35 cts.; pk. 85 cts., bus. \$2.50, 10 bus. \$22.50.

FLAX or LINSEED. Grown primarily for the seed for its oil and the making of meal. Use 75 pounds per acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$1.75, 100 lbs. \$12.50.

THOUSAND-HEADED KALE. Valuable for sheep and lambs. Drill in rows 30 inches apart, and hoe the plants one to a foot. Use 8 pounds per acre. Lb. \$1.50.

DWARF ESSEX RAPE. For sheep, hogs, and cattle. Sow in July or August, using 12 pounds per acre broadcast or 5 pounds per acre in drills. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

SUNFLOWER, Mammoth Russian. For poultry feed. Four pounds of seed will sow an acre. Lb. 25 cts., postpaid 35 cts.; 10 lbs. \$2, 100 lbs. \$15.

Up-to-Date Varieties for the Modern Farm

CLOVERS Seed of Maximum Purity and Highest Germination

In addition to their value as pasture and hay crops, they transform the nitrogen of the air into nitrates; thus they improve the soil. Prices are subject to change.

Medium Red. Summer crop is usually cut when in blossom for hay; second crop in late summer. Sown spring or fall, and if alone, at the rate of 20 pounds per acre. American Seed. Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.50, 100 lbs. \$35.

Mammoth Red. A larger type than the preceding. Sow, if alone, 15 pounds per acre. American Seed. Lb. 55 cts., postpaid 65 cts.; 10 lbs. \$4.75, 100 lbs. \$37.50.

Alsike (Swedish Clover). Hardy and will do better on unfavorable land than other varieties. Usually sown in mixtures; if used alone, allow 10 pounds per acre. Lb. 55 cts., postpaid 65 cts.; 10 lbs. \$4.75, 100 lbs. \$37.50.

White Dutch Clover. Used in mixtures for pastures or lawns. Lb. 65 cts., postpaid 75 cts.; 10 lbs. \$6, 100 lbs. \$50.

Wild White Clover. Plants are more permanent and more spreading than those originating from commercial seeds. Thrives on soils that are too poor to support other Clovers. Inclusion of 1 pound per acre in a seed mixture is recommended to increase the yield of hay or pasturage. 1/4 lb. \$1, lb. \$3, 10 lbs. \$27.50.

Alfalfa or Lucerne. Resists drought because of its deep roots. Use 25 pounds per acre drilled, or 35 pounds broadcast. Northern-grown, cold-resistant American Seed. Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.25, 100 lbs. \$32.50.

Grimm Alfalfa. Hardier, bigger, and more tolerant of unfavorable soils than the type. Use 20 pounds per acre drilled, or 25 pounds broadcast. Lb. 65 cts., postpaid 75 cts.; 10 lbs. \$5.50, 100 lbs. \$45.

Crimson Clover. One season plant for early spring pasture or for hay, which may be seeded from June to October. Use 20 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$17.50.

Sweet Clover. White. A 6-foot perennial for light, sandy soils. Fair-quality fodder when young, and excellent to turn under. Valuable to the bee-keeper. Sow 15 pounds per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.25, 100 lbs. \$15.

Yellow Sweet Clover. A yellow-flowered counterpart of the above. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$17.50.

Hubam. Annual white Sweet Clover. A variety which will produce a bumper crop and attain maturity the first season. Lb. 45c., postpaid 55c.; 10 lbs. \$4, 100 lbs. \$30.

Japan Clover or Lespedeza. For pasture, hay and lawns on poor land in warmer sections of the country. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$17.50.

Mixed Clovers. Use 20 pounds per acre when sowing new land. Lb. 60 cts., postpaid 70 cts.; 10 lbs. \$5, 100 lbs. \$40.

HAY-FIELDS AND PASTURES In the Northern United States

FORMULA A. Mixture of grass seeds and clovers of high quality, properly proportioned, for good loamy soils. Use 50 pounds per acre.

FORMULA B. Mixture of grasses and clovers for moist, rich bottom land. Use 50 pounds per acre.

FORMULA C. Mixture of grasses and clovers for orchards and shaded fields. Use 50 pounds per acre.

FORMULA D. Mixture of grasses and clovers for thin, dry, sandy or clayey poor soils. Use 50 pounds per acre.

Price of Mixed Seeds for Hay-Fields and Pastures, formulas A, B, C, or D. Lb. 50 cts., postpaid 60 cts.; 10 lbs. \$4.50, 100 lbs. \$35.

FORMULA E. Mixture of grass seeds only (no clovers) for hay or pasture. Use 75 pounds per acre. Lb. 45 cts., postpaid 55 cts.; 10 lbs. \$4, 100 lbs. \$30.

FORMULA F. Mixture of clovers only (no grasses) for pasture. Use 20 pounds per acre. Lb. 60 cts., postpaid 70 cts.; 10 lbs. \$5, 100 lbs. \$40.

FORMULA G. *Timothy-Red-Top-Clover Mixture* For hay or pasture at low cost. Use 40 pounds per acre. Lb. 35 cts., postpaid 45 cts.; 10 lbs. \$3, 100 lbs. \$20.

For renovating, an average allowance is one-half the quantities recommended above.

VETCHES OR TARES

Excellent for milk-production and fattening live-stock, either green or as silage or hay. Recommended as plow-under crops for soil-improvement. Usually grown with oats, wheat, or rye to keep them off the ground.

Spring Vetch (*Vicia sativa*). May be sown early in spring, using 150 pounds per acre, broadcast, or 100 pounds in drills; or 1/2 bushel of a cereal and 75 pounds of Vetch per acre. Lb. 20 cts., postpaid 30 cts.; 10 lbs. \$1.50, 100 lbs. \$10.

Winter, Sand or Hairy Vetch (*Vicia villosa*). Suitable for both spring and autumn seeding, using 125 pounds per acre, broadcast, or 100 pounds in drills; or 1/2 bushel of a cereal and 75 pounds of Winter Vetch per acre. Lb. 30 cts., postpaid 40 cts.; 10 lbs. \$2.50, 100 lbs. \$20.

CANADA FIELD PEAS. If sown alone, use 3 bushels per acre; when used with oats, sow 1 1/2 bushels of Peas and 1 1/2 bushels of oats. Qt. 30 cts., postpaid 45 cts.; pk. \$1.50, bus. \$4.50, 10 bus. \$42.50.

COWPEAS

Used for improving soils by plowing under; also valuable as hay. Sow 2 bushels per acre in June.

New Era. The Peas are dull lead-colored. Early. Pk. \$1.35, bus. \$4.25, 10 bus. \$40.

Whippoorwill. Brown-speckled seed. Qt. 25 cts., postpaid 40 cts.; pk. \$1.35, bus. \$4.25, 10 bus. \$40.

SOY BEANS

Used for improving soils by plowing under; as a fodder crop they yield fifteen or more tons per acre. Sow 4 to 8 pecks to the acre.

Mammoth Yellow. Gives a wonderful Yield for hay, silage, or plowing under. Qt. 25 cts., postpaid 40 cts.; pk. \$1.25, bus. \$3.75, 10 bus. \$35.

Wilson. A black-seeded sort. Pk. \$1.35, bus. \$4.25, 10 bus. \$40.



Champion Yellow
Globe Mangel

ROOTS FOR STOCK

Palatable, digestible, nutritious, and easily stored food is yielded in large quantity by Mangels, Rutabagas, and Carrots.

MANGEL AND SUGAR BEET

Sow in drills 30 inches apart; thin to 12 inches. 6 to 8 lbs. per acre in the spring.

Mammoth Long Red. The skin is bright red, and under favorable conditions the roots may reach 3 feet in length. Oz. 20 cts., 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

Champion Yellow Globe. Roots moderate in size and of exceptional quality. Yellow skin; white flesh; highly nutritious. 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

Pedigreed Ideal. Cylindrical in shape and grows high out of the ground. Yellow skin and white flesh; highly nutritious. 1/4 lb. 60 cts., lb. \$1.50, 10 lbs. \$12.50.

Half-Sugar Rose. Long root with pink skin and white flesh. 1/4 lb. 40 cts., lb. 85 cts., 10 lbs. \$8.

Golden Tankard. 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

Mammoth Long Yellow. 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

Klein Wanzleben Sugar Beet. Root contains a high percentage of sugar. Oz. 20 cts., 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

RUTABAGA OR SWEDE

Sow 4 pounds per acre in June, in drills 30 inches apart.

American Purple-Top. Reddish purple top; nutritious yellow flesh; spherical shape. 1/4 lb. 50 cts., lb. \$1.25, 10 lbs. \$11.

Long Island Improved. Oz. 20 cts., 1/4 lb. 45 cts., lb. \$1.25, 10 lbs. \$11.

CATTLE CARROT

Valuable for horses. Sow 4 pounds per acre from May 15 to July 1.

Mammoth White Belgian. Root 16 inches long. Skin white; flesh white. 1/4 lb. 45 cts., lb. \$1, 10 lbs. \$9.

Danvers Cattle. 1/4 lb. 60 cts., lb. \$1.50, 10 lbs. \$12.50.

Long Orange Cattle. 1/4 lb. 50 cts., lb. \$1.25, 10 lbs. \$11.

Aprons, Bird-Houses, Flower Boxes, Baskets, Rubbish Burners, Etc.

Aprons, Garden

Duck. With Bib. \$1.75.
Rubber. With Bib. \$2.75.

Bird-Houses, Log-Cabin

	Type	Families	Each
No. 1.	Log-Cabin.....	1.....	\$2 25
No. 2.	Log-Cabin.....	2.....	3 75
No. 3.	Log-Cabin.....	2.....	4 50
No. 4.	Colonial.....	2.....	7 00
No. 5.	Colonial.....	4.....	8 50
No. 6.	Hexagonal.....	2.....	4 50
	Bird-Shelters.....		3 50

Blue Martin House. Hexagonal22 50
8-ft. pole, \$6 extra.

WILD BIRD SEED MIXTURE. A special mixture of bird seed especially adapted to wild life. Lb. 15 cts., 5 lbs. 65 cts., 25 lbs. \$3.25, 100 lbs. \$11.50.

MIXED CANARY SEED. Recleaned. Lb. 15 cts., 5 lbs. 65 cts., 100 lbs. \$11.50.

SHEPHERD SONG-RESTORER. A treat for canaries. 4-oz. bottle 25 cts.

Boxes

Cardboard, Flower. Ivy green; lock corners.

	Doz.	100
No. 1. 18 x 5 x 3 in. deep....	\$1 00	\$5 00
No. 2. 21 x 7 x 3½ in. deep..	1 20	6 50
No. 3. 24 x 8 x 5 in. deep....	1 75	10 50
No. 4. 28 x 8 x 5 in. deep....	2 25	11 50
No. 5. 36 x 8 x 5 in. deep....	2 50	13 50
No. 6. 36 x 10 x 6 in. deep....	3 00	18 50

Corrugated Cardboard. Very heavy and durable; extensively used by florists for shipping cut-flowers.

	Doz.	100
No. A. 20 x 7 x 4 in. deep....	\$2 00	\$12 00
No. B. 28 x 8 x 5 in. deep....	2 50	15 00
No. C. 30 x 12 x 6 in. deep....	3 25	19 00
No. D. 36 x 12 x 6 in. deep....	4 00	23 00
No. E. 36 x 14 x 8 in. deep....	4 25	25 00
No. F. 48 x 14 x 8 in. deep....	5 00	30 00

Window. Made of galvanized sheet metal. Painted green.

	Each
24 x 8½ x 6¼ in. deep.....	\$1 50
30 x 8½ x 6¼ in. deep.....	2 00
36 x 8½ x 6¼ in. deep.....	2 75
42 x 8½ x 6¼ in. deep.....	3 50
48 x 8½ x 6¼ in. deep.....	4 00

Brackets for attaching Boxes on or below window-sill, 75 cts. per pair.

Bunchers

Asparagus. No. 1. 3½ in.	\$4 50
No. 2. 4½ in.	5 00

Bulb Planter

The tapered cup removes the soil and makes a perfect planting-hole in one operation.

Junior. 50 cts. each.

Senior. With long handle; stooping unnecessary. \$4 each.

Burlap

For protecting plants.

Natural color in bolts of approximately 100 yards. Per yd.

36 in.....	\$0 15
48 in.....	17
60 in.....	20

In lots of 500 yds. or more deduct 3 cts. per yd. from above prices.

Green color in bolts of 50 yards.

35 in.....	25
48 in.....	35

Celery-bleaching Tubes

Labor- and money-savers. The brass Handler is placed around the celery plant, the tube is slipped in place and the Handler removed.

	Doz.	100	1000
12 in. high.....	\$0 40	\$2 75	\$24 00
13 in. high.....	45	3 00	26 00
14 in. high.....	50	3 50	28 00

Handlers for use in placing tubes: Brass, \$2.25; Tin, 75 cts.



A. Fruit and Vegetable Hamper

1-bus. size. 21 x 12 x 12 in. deep.....	\$6 00
1½-bus. size. 24 x 17 x 11 in. deep....	6 50
2-bus. size. 24 x 17 x 13 in. deep.....	7 00

B. Bamboo Basket

½-bus. size...\$1 75 Bus. size.....	\$2 25
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C. General-Purpose Basket

1-bus. size.....\$1 75 2-bus. size....	\$2 75
1½-bus. size... 2 25 3-bus. size....	3 50

D. Gardeners' Baskets

No. 1. 20½ x 13½ x 7 in. deep.....	\$2 25
No. 2. 23 x 14½ x 8 in. deep.....	2 50
No. 3. 24 x 15½ x 9 in. deep.....	2 75

E. Picking Basket

¼-bus. size...\$1 00 ½-bus. size...	\$1 50
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F. English Garden Baskets

No. 1. 16½ x 9 in.....	\$2 00
No. 2. 21 x 11 in.....	2 75

G. Flower and Fruit Baskets

No. 1. 13 x 13 x 3½ in. deep.....	\$0 65
No. 2. 20 x 12 x 3½ in. deep....	75
No. 3. 22 x 14 x 3½ in. deep.....	1 00

Fruit Baskets

(Not Illustrated) 100 1000

Strawberry. 1-qt. size.....	\$2 00	\$12 00
Peach. 2-qt. size.....	3 00	20 00
3-qt. size.....	3 50	22 00
4-qt. size.....	4 00	24 00

Burners for Leaves, Paper, and Rubbish

Portable Burner

This knock-down Burner is a safeguard against fires that have their origin in the burning of rubbish in the open.

	Square	Height	Each
No. 1.	15 in.	22 in.....	\$3 00
No. 2.	17 in.	29 in.....	4 00

Aeroil Fire-Gun

Can be used in conjunction with our No. 3 and No. 4 Auto-Spray listed on page 105. Consists of 7 feet of special oil-resisting rubber hose with brass hose nipples and a new seamless steel-coil burner with bronze regulating valve. Average oil-consumption, 1½ gallons per hour. Burns kerosene, coal-oil, range-oil or light furnace oil. Ideal weed- and brush-burner, disinfecting and thawing torch. Write for complete circular. \$12.50.

Wire Leaf Rack

A practical device for transporting leaves, cut grass, and litter. Can be attached readily to any wheelbarrow having removable sides. It is made of galvanized wire bolted to a wooden base; capacity about 10 bushels. Rack only, \$9; Rack and Barrow, \$17.50.

Galvanized Steel Round Rubbish Burner

Perforations on all sides, top and bottom, and raised on heavy metal legs to insure perfect combustion with the minimum amount of smoke. Equipped with iron drop handles. An efficient and safe Burner.

	Diam.	Height	Each
No. 1.	18 in.	28 in.....	\$4 75
No. 2.	20 in.	28 in.....	5 75

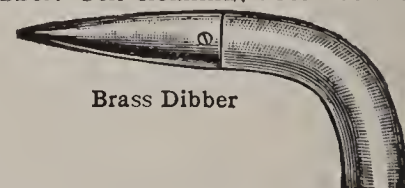
Handy Garden Sheet

Heavy unbleached muslin 9 by 9 feet, seamless. Moves 6 to 10 bushels of dry leaves at one time. Keeps dust and rust away from idle tools. \$3.

Dibbles or Dibbers

Just the tool for transplanting tomatoes, cabbage, celery, etc.

Brass Point, Wood Handle. The best Dibber. Self-cleaning; does not rust. \$1.



Brass Dibber

Steel Point, Wood Handle. Regular size, 9¾ in., 75 cts.

Cultivators, Distributors, Dust Guns, Edgers, Fencing, etc.

Cultivators, Planet Jr.

NO. 16 SINGLE WHEEL CULTIVATOR. Consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 large Garden Plow, 1 Rake 7 in. wide, 1 Rake 4 in. wide. \$8.50.

NO. 17½ SINGLE WHEEL CULTIVATOR. Consists of 1 pair of 6-in. Hoes and 3 Cultivator Teeth. \$6.40.

NO. 17 SINGLE WHEEL CULTIVATOR. Comprises 1 pair of 6-in. Hoes, 1 Plow and Cultivator Teeth. Sufficient for most garden work. \$7.35.

NO. 12 DOUBLE WHEEL CULTIVATOR. A Single and Double Wheel Cultivator in one. Used as a Double Wheel Hoe, it straddles crops until they are 20 inches high, cultivating both sides at once. Comprises 1 pair of 6-in. Hoes, 4 steel Cultivator Teeth, 1 pair of Plows, and 2 Leaf-lifters. \$10.25.

NO. 119 HIGH WHEEL CULTIVATOR. Single Wheel. Has a special 24-inch steel wheel. The outfit consists of one 1½-in. Cultivating Tooth, 1 4-in. Cultivating Tooth, 1 Plow, and 1 Reversible Scuffle Blade. \$3.65.

FIRE FLY GARDEN PLOW. It will throw a furrow 4 to 6 inches wide and 1 to 3 inches deep. The furrow may be deepened by going a second or third time along the row. \$4.

DISTRIBUTORS

Planter's Perfect Distributor

Distributes fertilizers, grass seed, and top-dressing. It has a positive shut-off control and adjusting device right on the handle to regulate the desired quantity to be sown.

18-in. width.....\$9 25
24-in. width.....13 00
36-in. width.....18 25



Warren-Church Spreader

Will handle fertilizer or grass seed accurately in any desired quantity. A positive agitator keeps the material flowing evenly while a convenient lever and shut-off gate regulates the quantity. Spreads 14 inches. \$6.

Handy Applicator

A very useful implement for applying fertilizer or killing weeds. \$1.

DUSTERS

S. & W. Co.'s Paragon Duster

Patented Rotary and Oscillating Agitator. Feeding-device prevents hanging up of powder in hopper. Duster is constructed of heavy lead-coated steel. Powerful air-blast breaks up powder into uniform fine dust. Machine is held securely in place with shoulder- and waist-straps.

Junior Size. Capacity 2 to 5 pounds, depending on powder used. Length without fittings, 20 in.; height, 13 in. Equipped with 4 15-in. Pipes, 1 Branch Connection, 2 Elbows, 2 Nozzles. \$10.

Senior Size. Capacity 5 to 10 pounds, depending on powder used. Length without fittings, 20 in.; height, 15 in. Equipped with 4 15-in. Pipes, 1 Branch Connection, 2 Elbows, 2 Nozzles. \$12.50.

Crystal Dust Gun

A simple device with an improved nozzle giving a broader distribution of dry powder insecticides and fungicides without waste and with the least possible effort. Insecticides which may be applied economically with this Dust Gun include Hortex, Tobacco Dust, Hellebore, Paris Green, Arsenate Lead, Powdered Sulphur. \$1.25.

Floradora Duster

Economical. 4-in. diam.; 8-oz. capacity. 35 cts.

Bellows, Woodason's

Powder, small size \$3.50; large size \$5. Liquid, small size \$4.25; large size \$5.

Double-Cone Powder Bellows. For dusting plant with dry powders for insects and fungus. \$7.50.

EDGERS

Towsend Gleaner Trimmer

An excellent Trimmer. Strong, light, and powerful. Only ¼-inch of metal between the ends of the blades and any obstruction to be cut around. 9-in. Wheel; 5½-in. Reel; 4 Blades, crucible steel, tempered. Width of cut 8 in. \$8.

Pennsylvania Lawn Trimmer and Edger

Equipped with steel disc and small plow. You can trim overhanging grass along the edges of paths and flower-beds. Also can mow close up to trees and walls. \$9.

Planet Jr. Revolving Disc Edger

A very dependable implement. \$1.50.

Turf Edgers

Solid Welded-Steel Edging Knife. Imported English. 8 in., \$2.50; 9-in., \$3.

Half-Moon Edging Knife. Solid steel, with a polished handle. \$1.25.

Engel Lawn Edger

The fastest and easiest Edger to operate. Leaves no unsightly grooves. Cuts close to edge of walk or curb. \$6.

Sawco Steel Curbing

Has welded pockets, through which the stakes are driven to hold the edging in place. Gives a smooth, unbroken appearance to the lawn edging. Stout stakes, 18 inches long and spaced on about 3-foot centers, hold the edging securely in place. Standard length, 19 ft. 4 in.; thickness ¾ in. Painted green. 3 in. wide, 35 cts. per ft.; 5 in. wide, 45 cts. per ft. For broken lengths and special bending, add 10 cts. per foot to these prices.

FENCE

Cleft Chestnut Fencing

Made of roughly split saplings, spaced about 1 inch apart; bound with galvanized wire.

Furnished in rolls 16 feet long and in three heights. Gates to match can be furnished.

Per lineal ft.
3 ft., 10 in. high.....\$0 85
4 ft., 11 in. high.....1 00
6 ft., 6 in. high.....1 35

3 ft. wide 10 ft. wide
Walk-Gates Drive-Gates
3 ft., 10 in. high.....\$13 00 \$26 00
4 ft., 11 in. high.....14 00 30 00
6 ft., 6 in. high.....15 00 34 00

Dubois Woven Wood Fence

Dubois Woven Wood Fence is made of split, live chestnut saplings which have first been carefully matched and then woven together against horizontal braces with heavy, non-rusting Copperweld wire to form a solid screen. When new the saplings are a natural brown which mellows, as time goes on, to a beautiful, soft, silver-gray tone that only Nature can achieve.

Dubois comes in sections 5 feet long, in six heights. Gates to match can be had.

Per lineal ft.
3 ft., 10 in. high.....\$1 35
4 ft., 11 in. high.....1 55
6 ft., 6 in. high.....1 80
1½ ft. high.....75
8 ft. high.....2 40
10 ft. high.....2 70
3 ft. wide 10 ft. wide
Walk-Gates Drive-Gates
3 ft., 10 in. high.....\$17 50 \$35 00
4 ft., 11 in. high.....19 00 37 50
6 ft., 6 in. high.....21 00 40 00

Warren-Church Cedar Fence

The pickets are made from split cedar poles with bark on, spaced about ¾ inches apart and woven together with double strands of 12-gauge copper-coated wire. Honest materials and careful workmanship are the outstanding features of this Fence. Furnished in rolls 16 feet long.

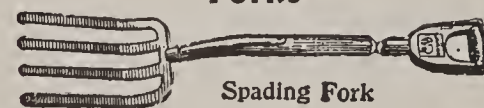
Per lineal ft. 3½ ft. wide 10 ft. wide
Walk-Gates Double-Driveway
3 ft. high..\$0 50 \$7 00 \$13 50
4 ft. high..60 8 00 16 00
5 ft. high..75 9 50 18 75
6 ft. high..95 10 50 21 50

English Type Hurdle Fencing

Made of split chestnut lumber. It is 8 feet, 3 inches long. The posts are 6 feet high and extend 1½ feet into the ground. When set, the Fence is 4 feet high. Gates to match may be had at additional cost.

Each
4-bar Hurdles.....\$2 65
5-bar Hurdles.....2 85
4 ft. wide 10 ft. wide
4-bar Hurdle Gates.....\$5 00 \$8 00
5-bar Hurdle Gates.....5 25 8 25

Forks



Spading Fork

Spading Forks. Best grade; tines spear-pointed with diamond-shaped back; handle strapped both sides.

Each
4-tine, D-Handle.....\$1 65
5-tine, D-Handle.....2 35
Long-Handle Forks, same price.

Manure Forks. Best grade; oval tines.

4-tine, D-Handle.....\$1 50
5-tine, D-Handle.....1 75
6-tine, D-Handle.....2 00
Long-Handle Forks, same price.

English Digging Forks.

4-tine, D-Handle.....2 50
Hay Forks. 3-tine, Long Handle.....1 35
Boys' Spading Forks.....1 25

Gem Hand Fork

Has three steel prongs and finished handle. A handy Fork for loosening the soil, etc. 40 cts.; with 4-ft. handle, \$1.

Woman's Garden Tool Set

Practical for the woman gardener. Consists of Shovel, Hoe, Rake, and Fork. \$3.50.

Tools in this Set can be supplied individually at \$1 each.

Glazing Materials, Gloves, Hooks, Hoes and Hose

Garden Line Reels

Malleable Iron. Holds 100 feet. \$1.25.
Eureka. Galvanized steel. Single, 500-ft. size, \$3.25. Double, 1000-ft. size, \$4.

Garden Line

Best Braided Linen. 100 ft., one length, \$1.75; 200 ft., one length, \$3.50.

Glazing Materials

Cel-O-Glass. Durable, flexible, and light in weight. Will not crack or break like glass. Transmits ultra-violet rays of sunshine. Comes in rolls 3 feet wide. 13½ cts. per sq. ft.

Glass, Double Thick. 50 sq. ft. to box.
 10 x 12-in., 60 lights, \$5.25 per box.
 10 x 14-in., 40 lights, \$6 per box.

Permanite. A glazing compound composed of asbestos fiber and long-life, non-drying oils. Gal. \$2.50, 5 gals. \$12, 15 gals. \$33.75, 35 gals. \$73.50, 60 gals. \$120.

Permanite Gun. Makes application of Permanite easy. \$7.50.

Mastica. For cementing cracks or seams in roof-joints and frames of greenhouses, sash, etc. Gal. \$2.50, 5 gals. \$12.

Mastica Gun. For applying Mastica. Easy to operate. \$3.

Putty Bulb, Scollay's. For applying liquid putty. \$1.50.

Glazing Points, Van Reyper's. No rights or lefts. For single- and double-thick glass for greenhouses and skylights. 75 cts. per 1000, \$3.25 for 5000. Pliers 75 cts.

Zinc City Glazing Points. In ⅝, ¾, and ⅞ in. 1-lb. box 50 cts.

Glass Cutter. 25 cts.

Putty Knife. 35 cts.

Greenhouse Aluminum Paint. Easier to apply, covers more surface, and adheres more firmly, inside or outside, is more weather- and moisture-resistant, gives greater light-reflection, and lasts longer. Gal. \$4, 5 gals. \$18.75.

Greenhouse White Paint. Full-bodied, long-life, White Paint that withstands cold, heat, and humidity. Gal. \$3.35, 5 gals. \$15.

Gloves

Horsehide Garden Glove without Gauntlet. For general garden or household use. Sizes 7, 8, 9, and 10. \$1.25 per pair.

Horsehide Garden Glove with Gauntlet. A very strong and serviceable Glove. Sizes 7, 8, 9, and 10. \$2 per pair.

Genuine Oil-tanned Dogskin Garden Gloves. With long wrist, that comes well up on the arm, so as to prevent any dirt getting into the Glove itself. It is elegant and comfortable; soft and pliable. Sizes, 6½, 7, 8, 9, and 10. \$2.25 per pair.

Eazy-Wear Garden Glove. Economical, dirt-proof, soft as kid. Washable. Sizes, 6, 7, 8, 9, and 10. 75 cts. per pair.

Warren-Church Garden Glove. Gray suede; very soft and pliable. Sizes, 6, 7, 8, 9, and 10. 75 cts. per pair.

Grape Bags

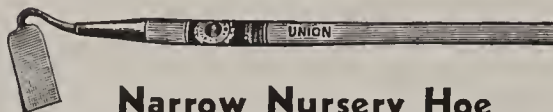
	100	1000
Opaque	\$2 00	\$18 00
Glassine	3 50	32 00

Gardex Pull Hoe

Does weeding and cultivating in one operation. No tire-some back-breaking, chopping motion. Drawn through the soil with an easy pulling motion. 4 in. wide, \$1; 5½ in. wide, \$1.25.



HOES



Narrow Nursery Hoe

Extremely narrow Hoe designed for use in closely planted areas. \$1.

Norcross Cultivator Hoe and Weeder



They destroy weeds, leave the soil level, loose, and untrampled. 5-prong, \$1.25; 3-prong, 85 cts. Midget, short handle, 50 cts.



Diamond Point Push Hoe

A practical tool for edging, cultivating, and weeding. 6-in., \$1.65; 8-in., \$1.95.

English Scuffle Hoe. Complete with handle. Imported. Positively the best. The quality of material used and finish is superior to all others.

Size	Each	Size	Each
4-in.....	\$1 60	8-in.....	\$2 00
5-in.....	1 70	9-in.....	2 10
6-in.....	1 80	10-in.....	2 20
7-in.....	1 90		

Warren or Heart-shaped Hoe. The best Hoe for making drills, covering, hoeing, and weeding.

	Each
Small size.....	\$1 00
Medium size.....	1 25
Midget, short handle.....	75

Draw or Garden Hoe. Sizes for boys, ladies, and men.

	Each
5-in.....	\$0 85
6-in.....	1 00
7-in.....	1 10

Magic Weeder Hoe

Style A. 3-prong Weeder. 25 cts.

Style D. 4-prong Weeder and Hoe. 50 cts.

HOOKS



Bush Hooks

Forged steel. Weight 3¼lbs. Including handle, \$3.50.

Grass Hooks

Warren-Church. Good quality cutlery steel. 60 cts.

Imported English. With heavy riveted back and thin cutting blade, easy to sharpen, forged from the best-grade steel. Medium, 85 cts.; Large, \$1.

S. & W. Co. Blade forged from razor steel, hollow ground, mirror polish, tang through handle. Black enameled handle, corrugated grip, 1-in. offset. \$1.25.

Grass Shaver. Uses any double-edge razor blades. Made to last a lifetime. Price complete, with Blades, \$1.

Berry or Thinning Hook

For thinning out berry bushes and shrubbery. It cuts off and hooks out in thick places where it is hard to operate any other tool. Fine for sprouts and suckers. \$1.25.

Hose and Accessories



Greenlawn. The finest green Hose on the market. Non-kinkable, double-braid construction. Smooth cover. Inner tube and outside cover made of the finest rubber obtainable. Pure gum rubber used between the braids. For hard usage, the best rubber Hose money can buy. The ¾-inch bore is guaranteed up to 1150 pounds bursting strength, and 1-inch bore, up to 700 pounds. ¾-in. bore, 25 ft. \$5; 50 ft. \$10; 100 ft. \$18.75. 1-in. bore, 25 ft. \$6.50; 50 ft. \$13; 100 ft. \$23.50.

S. & W. Co.'s "Special Brand" Way-ahead Hose. Surpasses all the cheaper grades of Hose. A two-braid Hose with a smooth cover, and constructed with two strands to the outside braid and one strand in the inside braid. Wayahead's tube cover adhesion makes a balanced Hose. ¾-in. bore, 25 ft. \$3.50; 50 ft. \$7; 100 ft. \$13.

Electric, Non-Kinkable. Not to be confused with any other type of corrugated Hose, for **Electric** is the most sturdy and rugged piece of hose on the market today. Standard lengths, ¾-in. bore, 25 ft. \$5.25; 50 ft. \$9.50; 100 ft. \$18.

Standard lengths, ½-in. bore, 25 ft. \$4.75; 50 ft. \$8.75; 100 ft. \$16.50.

Hose Nozzles

Stott's. A Nozzle that has become a favorite among rose-growers, etc., for exterminating red spider. Splendid for reaching under the foliage; gives a very fine, misty spray. Single, \$1.75; Double, \$3.

Justrite Spray. A very popular adjustable Nozzle. It gives a copious spray or a well-defined, full stream. 50 cts.

Bordeaux Spray Nozzle. A good Nozzle for whitewash and all heavy spray materials. \$1.

Aquamatic Nozzle. Fits any ¾-inch garden hose connection. Gives a solid stream or spray. Has a positive automatic shut-off. Practical and durable in every way. \$2.50.

Water-Gun. The most convenient article of its kind ever offered, and as a Nozzle is much more adaptable than the old style Spray or full stream, as desired. No leakage or drips. \$1.50.

Evertight Hose Coupling

No threads. No leaks. No kinks. Instantly applied. Simple, durable, and tight. Can be used on faucet, between lengths of hose, and on lawn sprinklers. Washers countersunk so they won't come out. 50 cts. each, \$5.50 per doz. Male or Female ends can be had extra at 25 cts. each, \$2.75 per doz.



Goldsmith Hose Rack

A hose-preserver, since the hose hangs on the rack in large, natural coils, thus preventing kinking and twisting. \$1.

Hose and Accessories, Knives, Labels, Mats and Paper

Hose Supplies

Siamese Hose Attachment. Permits use of two leads of hose at one time. $\frac{3}{4}$ -in., \$1.25.

Hose Clamps or Bands. $\frac{1}{2}$ - and $\frac{3}{4}$ -in. sizes, 10 cts. each, \$1 per doz.

Regular Hose Couplings. Easily applied. $\frac{1}{2}$ -in., 15 cts. each, \$1.50 per doz.; $\frac{3}{4}$ -in., 20 cts. each, \$2 per doz.

Perfect Clincher Hose Coupler. Self-fastening Coupling that does not require extra bands, bolts, or wire. 25 cts. each, \$2.50 per doz.

Rain King Hose Coupler. Snap couplings together instantly with this new invention. $\frac{3}{4}$ -in., 60 cts. each.

Perfect Clincher Hose Mender. $\frac{1}{2}$ - and $\frac{3}{4}$ -in. sizes, 15 cts. each, \$1.50 per doz.

Cooper's Brass Hose Mender. No fasteners required. $\frac{1}{2}$ -in., 10 cts. each, \$1 per doz.; $\frac{3}{4}$ -in., 15 cts. each, \$1.50 per doz.

Hose Shutoff. Made of brass. Used between lengths of hose or on end of hose. $\frac{3}{4}$ -in., 50 cts.

Hydrant Swivel. Prevents kinking; turns all ways. 90 cts.

Hose Washers. For $\frac{3}{4}$ -in. hose. 10 cts. per doz.

Jiffy Hose Coupling. With the use of the special Jiffy Wrench, the Jiffy Coupling is screwed into the hose and firmly embedded in the rubber lining. It is impossible to pull it out or blow it out with any pressure.

Jiffy Standard Hose Couplings are furnished for $\frac{1}{2}$ -, $\frac{5}{8}$ -, and $\frac{3}{4}$ -in. hose, with corresponding shells to fit all standard thicknesses of hose. \$6 per doz. sets. Jiffy Wrench, 80 cts. extra.

Hose Holder

Can be adjusted to hold either $\frac{1}{2}$ - or $\frac{3}{4}$ -inch hose. 35 cts.

All-Iron Hose Reel

These Reels are constructed entirely of iron and are indestructible. They are light in weight, frictionless, and the wheels being high, they are easily manipulated. Cannot tip over when unreeling and there is no weight on the handle.

No. 10. 21-in. Wheel, holds 100 feet $\frac{3}{4}$ -in. Hose. \$5.

No. 20. 24-in. Wheel, holds 150 feet $\frac{3}{4}$ -in. Hose. \$5.50.

No. 30. 30-in. Wheel, holds 500 feet $\frac{3}{4}$ -in. Hose. \$9.25.

Sawco Hose Reel



The great advantage of the Sawco Hose Reel is that it is placed alongside of the faucet and the Reel is attached to it by a 4-ft. length of hose. Wind it back on the reel with the crank when you have finished using it.

Capacity of Reel—100 ft. of $\frac{3}{4}$ -in. hose. Reel, without hose, \$6.50.

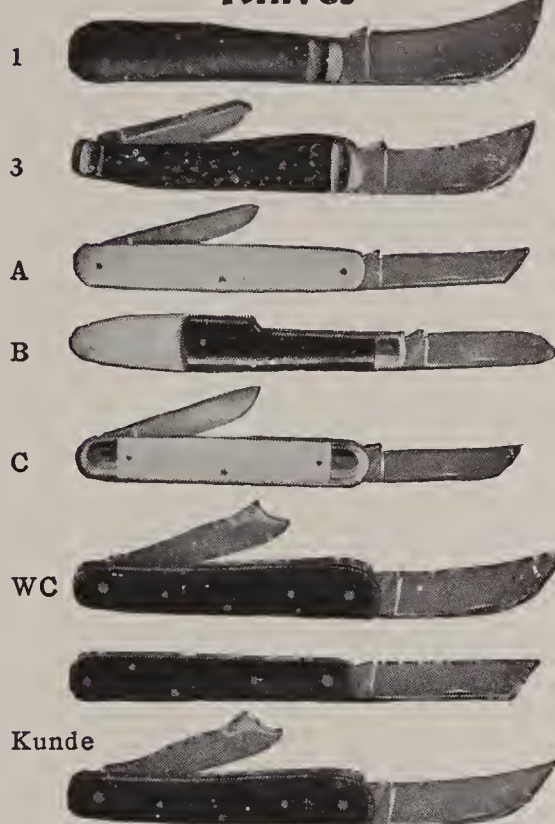
Asparagus Knives

American Asparagus Knives.

Straight Edge. 45 cts.

V-Shape. 45 cts.

Budding and Pruning Knives



No. 1. Strong Pruning Blade; Cocoa Handle.....\$1 25

No. 3. Pruning and Budding Blades; Patent Stag Handle..... 2 00

No. A. Two Blades; White Handle... 2 00

No. B. Budding Blade with Ivory Budder; Stag Handle..... 1 75

No. C. Two strong Budding Blades; Bone Handle..... 1 50

Warren-Church Budder and Pruner. Two Blades; Black Handle; Brass lined. Highest quality..... 2 00

Kunde One-blade Budder. Wooden Handle..... 2 00

Kunde Budder and Pruner. Two Blades; Polished Wooden Handle... 3 00

Hotbed Mats

No. 1. 40 x 76 in. Burlap on both sides. \$1.75 each, \$17.50 per doz.

No. 2. 76 x 76 in. Burlap on both sides. \$2.75 each, \$27.50 per doz.

Sawco Waterproof Hotbed Mats. One side is a waterproof, treated canvas and the other side is a fine burlap. 40 x 76 in., \$2.25 each, \$22.50 per doz.; 76 x 76 in., \$4 each, \$40 per doz.

Paper

Wax. 18 x 24 in., ream.....\$1 75

24 x 36 in., ream..... 3 25

Tissue. 24 x 36 in., ream..... 2 50

Manilla. 24 x 36 in., ream..... 2 50

Wrapping Paper, Kraft, in rolls. Per roll

24-in. (approximately 36 lbs.).....\$3 75

30-in. (approximately 45 lbs.)..... 4 75

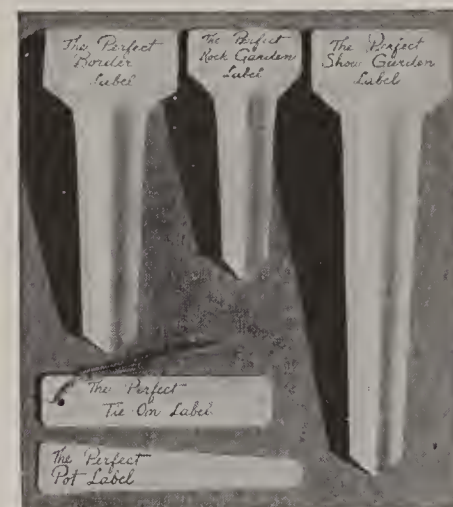
36-in. (approximately 54 lbs.)..... 5 50

30- or 36-in., waxed one side (approximately 60 lbs.)..... 8 00

Crêpe Paper, Green, Waterproof.... 75

Paper Holder and Cutter for rolls. A holder to be attached to your potting-shed bench. 30-in., \$4; 36-in., \$4.50.

Perfect Garden Labels



Ordinary lead-pencil markings on this Label are permanent without any protection, in all weathers, all soils, all seasons, above or under the soil. *Inconspicuous*—the beautiful color blends with plants, soil, and rocks. *Economical*—the markings can be completely erased with pencil eraser and Label marked again at any time.

Just the Label for the up-to-date gardener. **Rock-Garden.** Face, $1\frac{3}{4}$ x $\frac{7}{8}$ inches; length, 4 inches. 90 cts. per doz., \$1.75 for 25, \$6.75 per 100.

Border. Face, 2 x 1 inches; length, 6 inches. \$1 per doz., \$2 for 25, \$7.75 per 100.

Tie-On (with copper wire). Face, $3\frac{1}{2}$ x $\frac{3}{4}$ inches. 75 cts. per doz. \$1.50 for 25, \$3 per 100.

Show Garden. Face, 2 x $1\frac{1}{4}$ inches; length, 7 inches. \$1.25 per doz., \$2.50 for 25, \$9.50 per 100.

Pot, Tapering. Face, 4 x $\frac{3}{4}$ inches. 50 cts. per doz., \$1 for 25, \$2.50 per 100.

Pot or Garden Labels

Wooden, Painted. 100 1000

4-in.....\$0 50 \$2 50

4 $\frac{1}{2}$ -in..... 65 3 50

5-in..... 70 4 00

6-in..... 75 4 50

8-in..... 1 25 6 00

10-in..... 1 60 7 00

12-in..... 1 75 9 50

Copper-wired. 3 $\frac{1}{2}$ -in..... 50 3 50

Label Pencils. To write on wood labels. 15 cts. each, \$1.50 per doz.

Indelible Ink. Bottle 35 cts.

X-L-All Pencil. (Imported.) 35 cts. each, \$3.50 per doz.

Green Weatherproof Labels

Tie-On. Green Labels easily marked with a sharp-pointed steel stylus which cuts through to the white base, producing a very beautiful effect of white lettering on a dark green background. Prices include Copper Wires for attaching and Steel Stylus for marking. Doz. 100

No. 31. 3 x $\frac{1}{2}$ -in.....\$0 40 \$2 50

No. 32. 4 x $\frac{3}{4}$ -in..... 60 4 00

Rock-Garden. For use where the wired or stake type of Label is not appropriate. They are inconspicuous, but the writing is unusually distinct and permanent. Prices include Stylus for marking. Doz. 100

No. 51. 4 x $\frac{5}{8}$ -in.....\$0 45 \$3 00

No. 52. 5 x $\frac{3}{4}$ -in..... 70 4 50

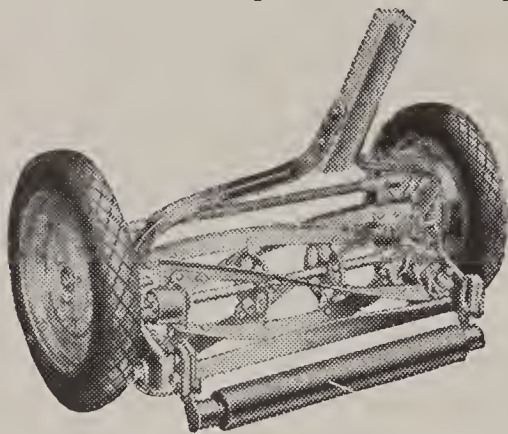
Bird Netting

For the protection of strawberry beds and fruit trees against birds. 1-in. mesh only, in 20- and 30-ft. widths. \$1.75 per 100 sq. ft.

Mowers, Pans, Pots, Saucers, and Pot Brackets

Sawco New-Matic Mower

Quiet, Easy-running, Roller-bearing Lawn Mower



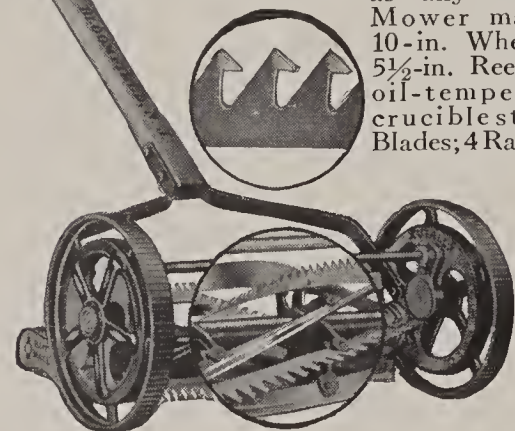
This is a high-grade machine equipped with 2½-inch pneumatic tires which give far better traction than the old-style iron wheels. Ease of operation is one of its most important features. It has 5 heat-treated Steel Blades and a high-carbon alloy Steel Bottom Knife. The Reel is geared to run at a very fast speed, thus preventing ridging. Self-adjusting bearings on reel shaft takes up any wear and always keeps reel in line. Can be adjusted to cut ⅜ to 1½ inch. Rear roller made of rubber adjusted in sockets containing ball-bearings.

16-in., \$18; 18-in., \$18.50.

Grass Catcher. 16-in., \$1.75; 18-in., \$2.25.

Kutall Mower

A distinctive new-type Lawn Mower that will cut all high grass, weeds, wild onions, plantains, dandelions, buck-thorns, etc., and at the same time will cut the grass short and as smoothly as any Lawn Mower made. 10-in. Wheels; 5½-in. Reel; 4 oil-tempered crucible steel Blades; 4 Rakes.



Size	Price	Grass Catcher
14-in. cut.....	\$16 00	\$1 75
16-in. cut.....	17 00	1 75
18-in. cut.....	18 00	2 25

Pennsylvania Junior Mower

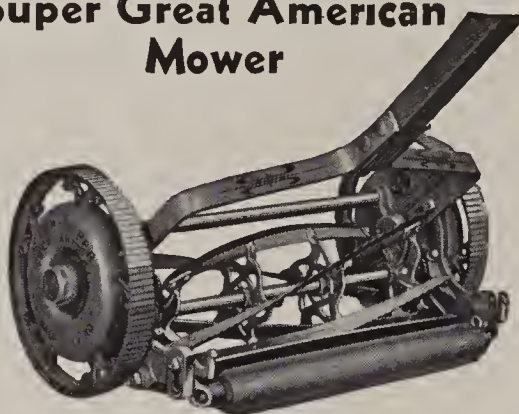
The five revolving blades are driven by a triple set of gears and a 10-inch traction wheel from each side. Revolving blades and the bottom knife are the best crucible tool-steel, oil-tempered and water-hardened. Particularly adapted for the cutting of tees and approaches.

Size	Price	Grass Catcher
15-in. cut.....	\$20 00	\$1 75
17-in. cut.....	22 00	2 25
19-in. cut.....	25 00	2 25
21-in. cut.....	28 00	2 25

Pennsylvania New Orchid

For the home putting-green or bowling green. Light-running, built of best materials, and is recommended for cutting lawns planted with bent grasses of various kinds. 7 Blades of crucible tool steel, hardened and tempered. Automatic self-adjusting ball-bearings. One size only, 17-in. cut, \$17.50. Grass Catcher, \$2.25 extra.

Super Great American Mower



The cutting cylinder of five crucible tool-steel, hardened and tempered blades revolves in special self-aligning ball-bearings, with spherical cup, insuring even wear on the knives and less need for adjustment. Height of cut can be regulated from ½ to 1½ inches; will cut grass 6 inches high. Wheels are 10 inches high.

Size	Price	Grass Catcher
15-in. cut.....	\$17 00	\$1 75
17-in. cut.....	19 00	2 25
19-in. cut.....	21 00	2 25

Warren-Church Mower

An honestly built, ball-bearing, household Mower for the small or medium-sized lawn. Strongly made and durable. Pushes easily; cuts smoothly. All parts are accurately machined and fitted. 10-in. Wheels; 5 Crucible Steel Blades; 6-in. diam. Cylinder. One size only, 16-in. cut, \$9.50.

Silent Yardman Mower

Very light but strong; silent, easy operation. Has 5 cutting blades of specially selected steel; annular ball-bearings on reel-shaft, Hyatt roller bearings in wheels. No oiling; no adjustment. Rubber tires on two 9-inch traction wheels. V-type belt of tough fabric; noiseless; long wearing. 14-in. cut, \$16; 16-in. cut, \$17; 18-in. cut, \$18.

Pennsylvania Super-Roller Mower

A roller-drive type for putting-greens with 8 cutting blades. One size only, 18-in., \$48. Grass-Box, \$6 extra. Light Wheel Carriage to facilitate transportation from green to green, \$5 additional.

Flower Pots, Standard

EARTHENWARE. Best on the market.

Diam.	Each	Doz.	100	1000
2 in.....	\$0 25	\$1 50	\$12 00	
2½ in.....	30	1 75	15 00	
3 in.....	40	2 50	20 00	
4 in.....	60	4 00	30 00	
5 in.....	\$0 10	1 10	7 00	55 00
6 in.....	15	1 60	10 00	82 00
7 in.....	25	2 60	16 00	130 00
8 in.....	35	3 20	20 00	180 00

On orders of 50 Pots or more, we make shipment direct from factory to customer.

Saucers of same material, to fit Pots, furnished extra

Diam.	Each	Doz.	100
4 in.....	\$0 05	\$0 40	\$3 00
5 in.....	05	50	3 80
6 in.....	10	70	5 50
7 in.....	10	90	7 25
8 in.....	15	1 40	10 60
9 in.....	20	1 90	14 50

Bulb Pans

EARTHENWARE

Diam. at top	Each	Doz.	100
6 in.....	\$0 15	\$1 50	\$10 00
7 in.....	25	2 50	15 00
8 in.....	30	3 00	22 00
9 in.....	50	5 00	40 00
10 in.....	70	7 00	50 00
12 in.....	1 25	12 50	90 00

Azalea Pots

These Pots differ from standard flower pots in that they resemble the bulb-pans but are deeper.

Diam.	Each	Doz.	100
6 in.....	\$0 15	\$1 50	\$10 00
7 in.....	25	2 50	15 00
8 in.....	30	3 00	22 00
9 in.....	50	5 00	40 00
10 in.....	70	7 00	50 00

Paper Flower Pots, Neponset

Very economical; waterproof; can be nested closely for shipping.

Red

Diam.	Doz.	100	1000
2¼ in.....	\$0 10	\$0 50	\$4 50
2½ in.....	15	65	4 75
3 in.....	20	75	6 00
3½ in.....	25	95	8 00
4 in.....	30	1 25	9 50
5 in.....	35	1 75	12 75
6 in.....	40	2 25	17 00

Square Earthenware Pans

Size	Each	Doz.
6 x 6 in.....	\$0 90	\$9 75
8 x 8 in.....	1 25	13 75
10 x 10 in.....	1 50	16 50
12 x 12 in.....	1 75	19 25

Flower-Pot Brackets

No.	Each
No. 1. Arm, 7 in., holds 5-in. pot....	\$0 65
No. 2. Arm, 8 in., holds 6-in. pot....	75
No. 3. Arm, 10 in., holds 7-in. pot....	90

Flower-Pot Saucers

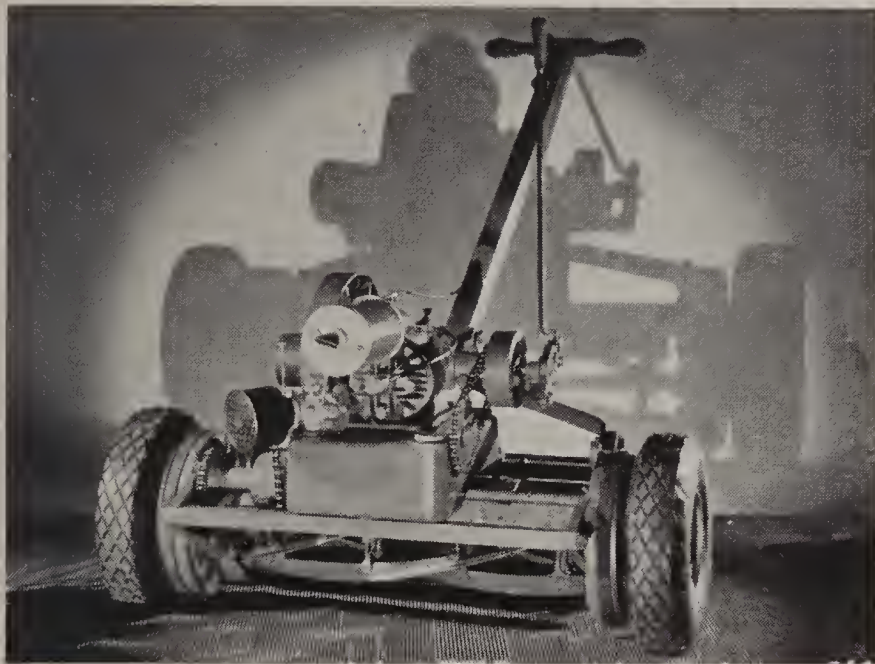
FIBREWARE. Waterproof

Order Saucer 2 inches larger than the bottom diameter of pot.

Diam. Inside	Each	Doz.
4½ in.....	\$0 45	\$5 00
5½ in.....	55	6 00
7¼ in.....	60	6 50
8½ in.....	75	8 25
10¼ in.....	85	9 35
12½ in.....	1 25	13 75
14½ in.....	1 50	16 50
16 in.....	1 75	19 25

Power Mowers, Plant Stands, Watering Pots and Rakes

Jacobsen "Simplex" Power Lawn Mower



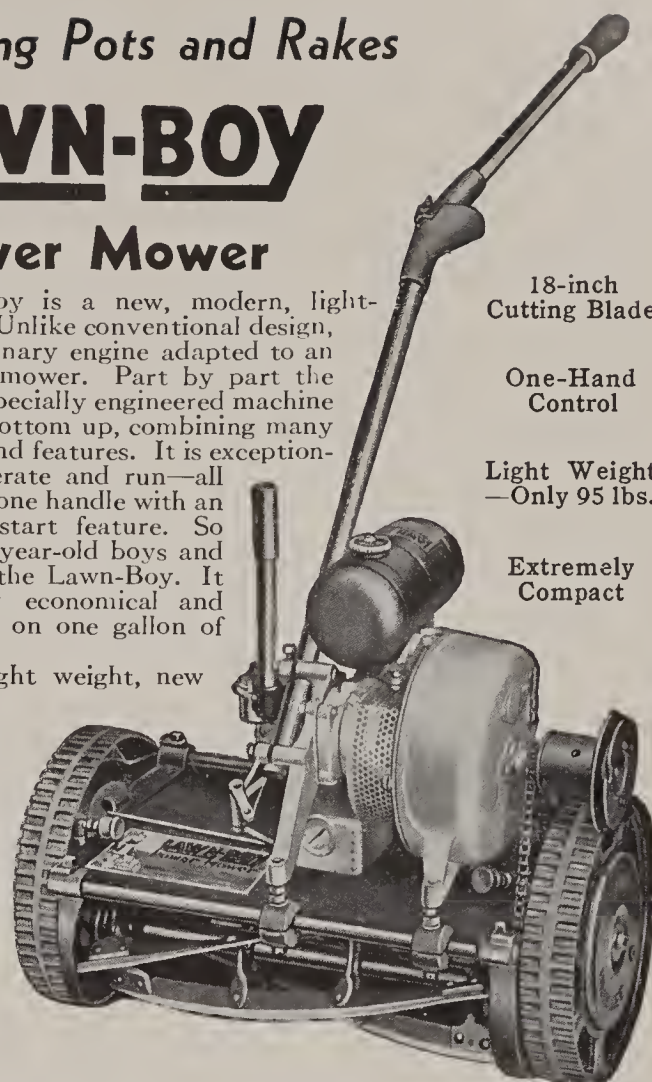
The "Simplex" is light in weight and exceedingly easy to handle. It has the strength and stamina to insure long, repair-free service, and is so simple in construction that even a boy can operate it. The motor is Jacobsen-built—extremely simple and reliable in operation. Cutting unit is 20 inches wide, mounted on adjustable Timken roller bearings. Reel has 5 Chrome Nickel-Steel Blades. Equipped with Safety Clutch to prevent breakage. The "Simplex" is the *big-value* quality Mower in the low-price field. Iron wheels, \$135; Pneumatic tires \$140.

LAWN-BOY

Power Mower

The Lawn-Boy is a new, modern, light-weight Mower. Unlike conventional design, it is not an ordinary engine adapted to an oversized hand-mower. Part by part the Lawn-Boy is a specially engineered machine built from the bottom up, combining many new principles and features. It is exceptionally easy to operate and run—all the control is in one handle with an automatic stop-start feature. So simple that ten-year-old boys and girls mow with the Lawn-Boy. It is exceptionally economical and will run all day on one gallon of fuel.

Besides its light weight, new design, and ease of handling, it performs remarkably well on big and small jobs. It will run right through tough, long grass that would take hours of drudgery with a hand mower. In troughs and on crests of terraces—uphill or down grade—Lawn-Boy turns out a smooth, uniform job. Its cutter-bar always follows the contour of the ground. Demonstration of this machine can be easily arranged without obligation. Write for complete folder on this remarkable low-cost Mower. \$115.



18-inch
Cutting Blade

One-Hand
Control

Light Weight
—Only 95 lbs.

Extremely
Compact



Perfect Fruit-Picker

Made of steel wire, heavily galvanized. Prevents bruising of fruit. Can be attached to any pole. 60 cts.

Plant-Stands

	Size of Tray	Each
Single Tray.....	10 x 24 in.....	\$3 00
Two-Step.....	7½ x 30 in.....	5 50
Three-Step.....	7½ x 30 in.....	6 75

Watering Pots

French Oval Pattern.		
6-qt.....\$5 50	10-qt.....\$6 00	
8-qt.....5 75	12-qt.....6 75	
Haw's Pattern. Imported.		
2-qt.....\$5 00	6-qt.....\$7 00	
3-qt.....6 00	8-qt.....8 00	
4-qt.....6 50		
Round Pattern.		
6-qt.....\$4 75	10-qt.....\$5 50	
8-qt.....5 25	12-qt.....6 00	
Warren-Church. Round; galvanized; very durable. Single Brass Rose.		
4-qt.....\$0 85	10-qt.....\$1 75	
6-qt.....1 00	12-qt.....2 25	
8-qt.....1 25		
Ladies' Enameled. In two colors, green or ivory. Handy for watering plants indoors. Single Rose, 2-qt. only, \$1.25.		



Rakes

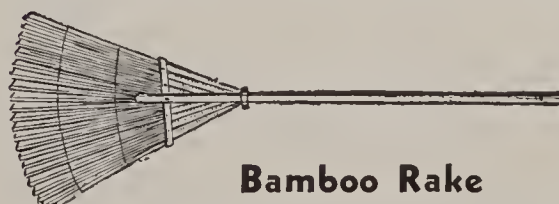
Steel-Bow Garden. Extra strong; will not break in the middle.
12-tooth....\$1 25 | 16-tooth.....\$1 50
14-tooth....1 30

Steel Garden. Cut from one piece of steel; strong and durable. Polished teeth.
10-tooth....\$1 10 | 14-tooth.....\$1 20
12-tooth....1 15 | 16-tooth.....1 25

Steel Gravel. Like the Garden Rake. Made substantially, with short teeth.
14-tooth....\$1 40 | 18-tooth.....\$1 75
16-tooth....1 50

Enterprise Rake. Removes weeds and dead grass with ease. Aërates turf so that sun and air can carry nutrition to roots. \$3.50.

Dandelion Rake. Large, saw-edge Teeth; concave Blade. Ideal for pulling dandelions. \$1.25.



Bamboo Rake

Fitted with polished wooden handle. Cleans the turf as gently as the human hand. Best quality. Reinforced. Each Doz.
Small.....\$0 75 \$7 50
Medium.....1 00 10 00
Large.....1 25 12 50



Sawco Lawn Cultivator Rake

This consists of a heavy, solid head, carrying 13 curved, sharp-pointed and sharp-edged teeth. The Cultivator Rake tears out clover or crab-grass and roughens the turf to prepare it for reseeding. With handle, \$2.50.

Wood Hay and Lawn Rake

Made especially with an extra-heavy head for double service.

	Each	Doz.
Hay, 14-tooth.....	\$1 20	\$12 00
Lawn, 28-tooth.....	1 50	15 00

Lawncomb

The flexible, springy teeth make it very desirable for cleaning around plants, vines, shrubbery, and flower-beds. Also for cleaning gravel paths; it removes leaves and other refuse without disturbing the gravel or crushed stone. 18-in., \$1; 24-in., \$1.50.



Rollers, Frames, Sash, Saws, Scythes and Seeders



Midget Spike Roller

For the small or medium-sized lawn. Steel Tray can be weighted with stone or bag of sand. Roller 13 in. wide; Spikes 1½ in. long. \$8.75.

Water-Ballast Lawn Roller

The drum has rounded edges, which prevents cutting of the sod. Heads are held through the center by a full-length axle firmly fastened by double steel lock nuts and washers. Can be filled with water or sand.

No.	Diam.	Length	Weight empty	Filled with Water	Price
A	14 in.	15 in.	50 lbs.	115 lbs.	\$8 50
B	14 in.	24 in.	70 lbs.	175 lbs.	9 50
C	18 in.	24 in.	85 lbs.	265 lbs.	15 00
D	24 in.	24 in.	110 lbs.	420 lbs.	17 50
E	24 in.	32 in.	130 lbs.	565 lbs.	18 50

Cast-Iron Hand Lawn Rollers

The face of each Roller is made smooth, with outer edges rounded to avoid cutting the sod. Will not injure the grass when turning.

No.	Sections	Diam.	Length	Weight	Price
1	2	15 in.	15 in.	150 lbs.	\$13 50
2	3	15 in.	22 in.	200 lbs.	17 50
7	2	20 in.	24 in.	300 lbs.	22 00
8	3	20 in.	30 in.	350 lbs.	26 50
10	2	24 in.	24 in.	450 lbs.	31 00
13	2	28 in.	24 in.	500 lbs.	42 50

Hotbed Sash and Frames—Glass

Single Light Sash. Standard size, 3 x 6 ft. Made of cypress. \$5 each, \$55 per doz.

Double Light Sash. Standard size, 3 x 6 ft. Made with two layers of glass, providing an air-chamber or insulator, which keeps the warmth in and the frost out. \$10 each.

Standard Hotbed Frames. Made of high-quality, selected cypress, free from knots. Back depth of Frame 16 in.; front depth 8 in.

No.	Dimensions feet	Sashes held	Frame only	Frame and Sash
No. 1.	3 x 6	1	\$9 50	\$14 50
No. 2.	6 x 6	2	11 00	21 00
No. 3.	9 x 6	3	13 50	28 50
No. 4.	12 x 6	4	16 00	36 00
No. 5.	15 x 6	5	18 50	43 50
No. 6.	18 x 6	6	21 50	49 00

ELECTRIC SOIL-HEATING UNIT. Consists of Thermostat and 60 feet of cable. \$16.50 each. Extra cable, 8 cts. per ft. Write for circular.

AL TOM MINIATURE GREENHOUSE. Portable. Made of pressed steel enameled green. Adjustable glass roof. 16 in. wide, 34½ in. long. \$12.50.

SEED-FLATS. Set up 16 x 20 x 2½ in. 35 cts. each, \$3.75 per doz.

Saws

File to Sharpen Furnished Free

No. 17 Forester Pruner. Blade is very stiff and will not bind; tapers from 1¼ inches wide at point to 3¼ inches wide at butt. Extra-large teeth, filed and set. 26-in., \$2.50.

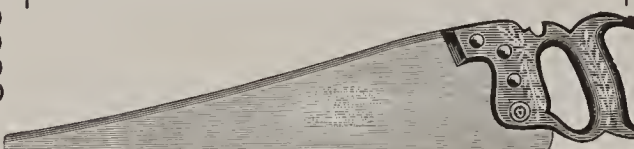
No. 18 California Curved Pruner. Has a very narrow blade with rip teeth. Blade tapers from ¼ inch wide at point to 1½ inches wide at butt. 14-in., \$1.50.



No. 12 Paragon Pruner. The concave edge is toothed for fine cutting, and the opposite edge for coarse work. Blade 2½ inches wide at handle, and 1 inch at point. 16-in., \$1.75; 20-in., \$2.



No. 3 Duplex Pruner. Toothed on one edge with lightning tooth for extra-heavy, coarse work and fine tooth on opposite edge for finer cutting. 18-in., \$1.75; 22-in., \$2.



No. 4 Pruner. Fitted with new-style Davey handle having extra-large grip. 20-in., \$2.50; 26-in., \$3.50.



No. 40 Tuttle Tooth Pruner. Has extra-sharp teeth that hold their edge longer due to their extra-fine temper. 20-in., \$2.75; 24-in., \$3.25.



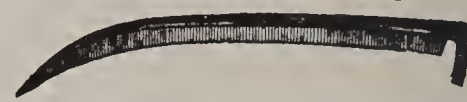
Atkins No. 16 "AAA" Pole Tree Pruner. Fastened to casting with ⅝-inch bolt and wing nut. The blade is adjustable to cut at any angle. Casting is hollowed and bored for slipping onto a pole of any desired length so that it may be operated to reach high limbs from the ground. A hook on this casting for dislodging cut limbs. Pole not furnished. 16-in., \$2.50.



Orchard Pruning Hook and Saw. Recommended for both pruning and sawing. Length of blade, 9½ inches. Without pole, \$2.75.

POLES. For Pole Pruners. Made of selected seasoned wood. 10-ft., 85 cts.; 12-ft., \$1.25; 14-ft., \$1.75; 16-ft., \$2.50.

Grass and Lawn Scythes



Imported English. Has a riveted back and broad, thin, light blade. Best Scythe for cutting grass, rye, oats, etc.

32-in. Medium.....	\$3 00
34-in. Large Medium.....	3 25
36-in. Large.....	3 50



Domestic. Cutlery steel, natural oil finish, cutting edge, web and backs polished.

32-in. Medium.....	\$1 75
36-in. Large.....	2 00

Scythe Snath or Handle. The very best, with patent socket. \$2.

Scythe Stones, Genuine English. Round, tapering. 35 cts.

Unbreakable Radiac. 30 cts. each, \$3 per doz.

Scythe Rifles, Emery-coated. 25 cts. each, \$2.50 per doz.

Graswip

The new, double-edged, long-handled Grass Cutter. Easiest way to cut long grass. Use it like a golf club. Cuts rapidly on both the forward and backward swing. Shaft 37 inches long. \$1.

Cyclone Seeders

Sows perfectly even all varieties of farm seeds such as clover, timothy, red-top, alfalfa, rye, millet, wheat, etc. Can be regulated to sow any amount per acre. The bag holds about ½ bus. \$2.50.

Sowrite Seed Sower

Sows Seeds at a Touch

It scatters seeds individually and prevents crowding and choking of the seedlings when coming up. For fine seeds, 50 cts.; for larger seeds, 50 cts.

Planet Jr. Seeders

NO. 3 SEEDER. A favorite among onion-growers, market gardeners, and seed-growers. Sows accurately in a narrow line, making wheel-hoe cultivation easy. Holds 3 quarts of seed. \$16.50.

NO. 25 COMBINED SEEDER AND CULTIVATOR. Single Wheel. Seed-box holds 2½ quarts of seed. Combination includes 1 pair of 6-in. Hoes, 4 Cultivator Teeth, 1 pair of Plows for hilling against the rows, 2 Leaf-guards, and 1 Marker. \$21.

NO. 4 COMBINED SEEDER-CULTIVATOR. (Single Wheel.) Will sow seeds in rows or in hills, plow open furrows and cover them, cultivate, and hoe. The seeding mechanism holds 2½ quarts of seed. Outfit consists of 1 pair of 6-in. Hoes, 3 Cultivator Teeth, 1 Plow, 1 Leaf-guard, which lifts the leaves of the plants and prevents damage to them, and 1 adjustable Marker, which, when the machine is sowing seed, indicates the correct location of the next row. \$16.75.

NO. 4D SEEDER. Consists of the seeding mechanism only of Outfit No. 4 but does not include the cultivating attachments. Sows efficiently in rows or in hills. Capacity 2½ qts. \$13.50.

Shears, Pruners, Shovels, Spades, Sieves and Signs

Grass Shears



S. & W. Co.'s. A very simple but practical locking device holds the Shears together. Made of the best crucible tool-steel; polish finish. One size only, 7-in. blade, \$1.50.



Grassnips. The scissors-like Grass Shears. Practical for trimming edges and borders of lawns, flower-beds, etc. \$1.25.

Grass Edging or Border Shears

Designed to trim the overhanging grass on borders around flower-beds and walks. Has 9-in. blades of high-grade tool-steel; polished handles and blades. Without wheel, \$5; with wheel, \$5.50.

Lawn Shears

Designed to cut grass under hedges, fences, grape-arbors, and flower-beds or shrubs. Has 9-in. blades of high-grade tool-steel; polished handles and blades. Without wheel, \$5.50; with wheel, \$6.

Hedge Shears

Sheffield. Finest English steel.		Plain	Notch
		Each	Each
8-in. blade. Weighs 4 lbs.....	\$2 75		\$3 00
9-in. blade. Weighs 4 lbs.....	3 00		3 25
10-in. blade. Weighs 4 lbs.....	3 25		3 50
Ladies'.....	2 25		
S. & W. Co.'s Domestic. Well made and of excellent quality.		Serrated	Notch
		Each	Each
8-in. blade.....	\$2 00		\$1 90
9-in. blade.....	2 25		2 10
10-in. blade.....	2 50		2 35
Ladies'. Plain.....	1 75		

Pruning Shears



Kunde. One of the best Shears obtainable. It is very durable and efficient. Solid steel. \$5.



S. & W. Co.'s Solid Steel. Crucible tool-steel, tempered and fully polished. Strong and durable. A ratchet nut keeps the Shears properly tightened; will not break; excellent finish. Made in three sizes. 8-in., \$2.50; 9-in., \$2.75; 10-in., \$3.



Snapcut. The only lightweight Pruning Shears with genuine draw-cuts—cuts cleaner and quicker. \$1.75; ladies' size, \$1.50.



Warren-Church. Forged cutlery steel blade; green enamel, malleable handle; volute spring; ratchet lock-nut. A well-made Shear. 9-in., \$1.50.



Ladies' Nickel-plated. Light, practical, handy to use on roses and shrubbery. 6½-in., \$2.



GRAPE-THINNING SCISSORS. Nickel-plated. \$2.

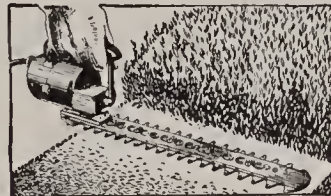


FLOWER-GATHERING SHEARS. Nickel-plated. Made to hold within its grasp the stem of the cut-flower. \$1.25.

Little Wonder Hedge Trimmer

The cutting blades are of tough steel, holding a sharp edge for a long while. Use it for trimming, and not for "cutting back" a hedge, and it will last for years. 30-in. one-man Trimmer, \$25; 40-in. one- and two-man Trimmer, \$27.50.

Syracuse Electric Hedshear



Cuts hedges, shrubbery, and grass. Saves hours of arm-aching work with hand-shears. Operates from any lighting socket, AC or DC. Automatic switch. Cutting width, 14½ inches. Has Universal motor. Cutters self-sharpening, revolving on endless chain. Cuts on either side of cutter-bar. Weight, 6 lbs. With 100 ft. Weatherproof Cord, \$33.25. Extra 100 ft. Cord, \$3.75.

Compound-Lever Pruner

Working parts, being made from forgings, are very strong, without being unnecessarily heavy, and the strength, durability, easy cutting qualities of this tool appeal to all who have occasion to use a strong and powerful Pruner. 10-ft., \$5; 12-ft., \$5.50; 14-ft., \$6.25; 16-ft., \$6.75.

Waters Tree Pruner

This Pruner has been before the public for over twenty-five years. It has numerous well-known advantages, and if a tool for ordinary pruning is required, the Waters will give entire satisfaction.

6-ft.....	\$2 00	12-ft.....	\$2 75
8-ft.....	2 25	Extra Knives, 30	
10-ft.....	2 50	cts. each.	

Telegraph Pole Pruner

This Pruner is similar in appearance to but of heavier construction than the Waters Pruner, making it very strong and durable. Furnished without pole, no handle, \$1.80. Extra Knives, 30 cts. each.

English Lopping Shears

The Shears are well known, and do good service.	
No. 2. 24-in.....	\$4 50
No. 3. 28-in.....	5 50
No. 4. 32-in.....	6 25

All-Steel Tree Pruners

Strictly high-class Pruner in every detail. Light, powerful, and practical; cuts 1½-inch limbs with ease. 20-in., \$2.75; 25-in., \$3; 30-in., \$3.50.

The Forester Pruner

A powerful Pruner. Cuts limbs from 1¼ to 2 inches with ease. Has patented slide-shift power-slot. 20-in., \$4.25; 27-in., \$5.50; 34-in., \$7.

S. & W. Co.'s Tree Scraper

A handy tool for removing loose bark that harbors insects. The incurved end takes care of the small grooves, and the broad curve, sharpened on both sides, scrapes the wide, shallow grooves. Spring-steel, forged. \$1.25.

Grafting Chisel

Makes clean splits and does not tear the bark. \$1.25.

Carborundum Lawn Mower Sharpener

A sheet of sturdy, rustproof steel, curved top and bottom so as to fit over the cross-bar of the mower is covered with Aloxite, a hard, sharp, tough abrasive. For mowers that are in fair shape this Sharpener will do a good job. No. 41, for 12- to 16-in. mower, 50 cts. No. 42, for 16- to 21-in. mower, 65 cts.

Shovels

Ames Shovels are the best manufactured.	
	Each
Square Point, D-Handle.....	\$2 75
Round Point, D-Handle.....	2 75
Long-Handle Shovels, same price.	
S. & W. Co.'s Shovels. Good reliable grade.	
Square Point, D-Handle.....	\$1 75
Round Point, D-Handle.....	1 75
Long-Handle Shovels, same price.	

Sieves

For covering newly sown seed there is no better way than to riddle on to it a very light covering of soil. 20 inches in diameter. ⅛-, ¼-, and ½-inch mesh. \$2 each.

Warning Signs

Made of metal, 14 by 4½ inches, painted white, with 2-inch raised black letters; with spikes. Can be repainted. \$2.50.

Upon special order, can also be furnished with ⅝- by 24-inch steel rod. \$3.

New Planting. Keep Off
Do Not Climb Fence
Do Not Trespass
No Walking through Hedge
No Walking on Lawn
Keep Off the Grass

Sod Lifters

English Pattern. Heart-shaped, strong, and highly efficient. \$8.50.
American Pattern. Preferred by many on account of its light weight. \$2.25.

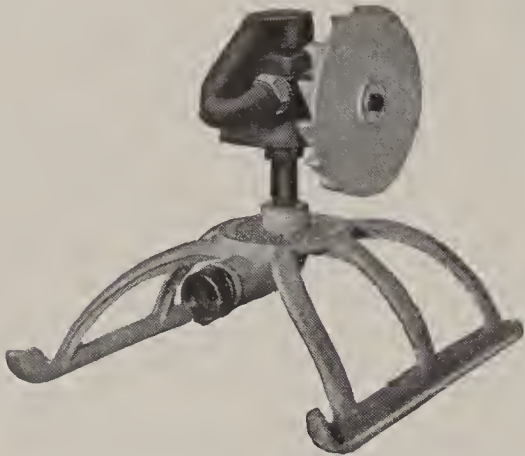
Spades

Ames Spades are the same grade as the Ames Shovels.	
	Each
D-Handle and Long Handle.....	\$2 75
S. & W. Co.'s Spades are the same grade as S. & W. Co.'s Shovels.	
D-Handle and Long Handle.....	1 75
Boys' Spades.....	1 75
Ames Nursery Spade. Full strapped heavy-duty tool used by nurserymen for transplanting. D-Handle. \$5.	
Ames Drain Spade. Solid shank. Ideal for transplanting. 16 in. long; D-Handle. \$3.50.	

Modern Sprinklers to Distribute Water Abundantly, Yet with Economy

Double Rotary Sprinkler

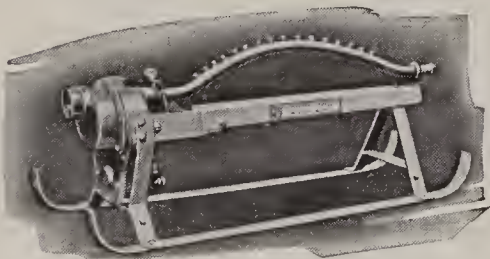
Efficient Long-Wearing Reliable



Covers an area from 15 to 80 feet, according to water pressure. Gears run in oil. Simple in construction. Nozzle can be adjusted for fine and coarse spray. \$12.50.

Waterfan

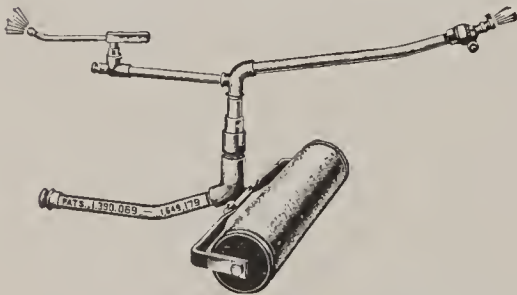
The Automatic Oscillating Irrigation Sprinkler



Will sprinkle a rectangle 40 by 45 feet, with a mist-like spray. The plane of the spray oscillates back and forth. \$15.

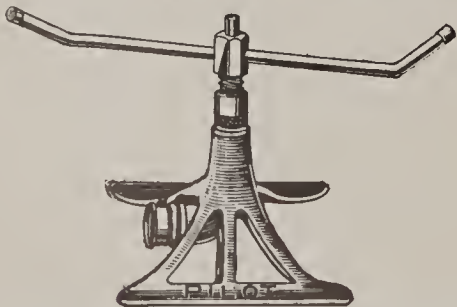
The Lark Sprinkler

"It sprinkles evenly up to 150 feet"



Operates on water pressure of 15 to 75 pounds. Gives even, rain-like distribution. \$12.50.

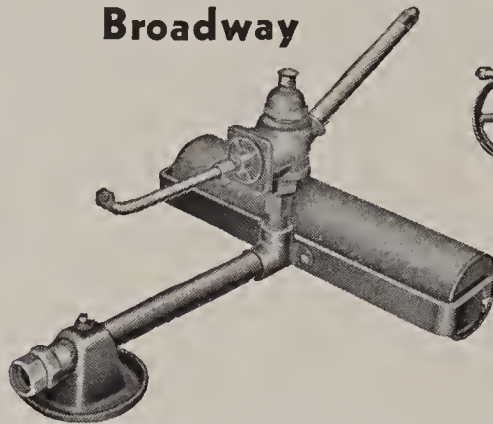
Triple Shower Sprinkler



The best Sprinkler made in its price-range. Operates on 15 pounds of pressure. Covers a surprisingly large area uniformly and properly. \$2.50.

SKINNER SPRINKLERS

Broadway



The highest type Sprinkler for effective large-area coverage. All-brass construction. Nozzle design for long throw with fine uniform break. Simple speed adjustment.

Junior Model. Operates on 20- to 70-lb. pressure; 60 to 100-ft. circle; roller base; 3/4-in. connection. \$11.25.

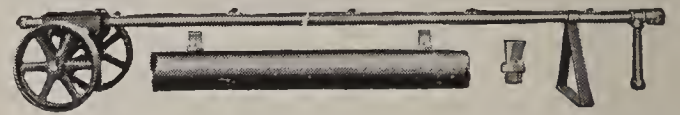
Senior Model. Operates on 35- to 80-lb. pressure; 95 to 145-ft. circle; roller base; 3/4-in. connection. \$16.50.



Tu-Way

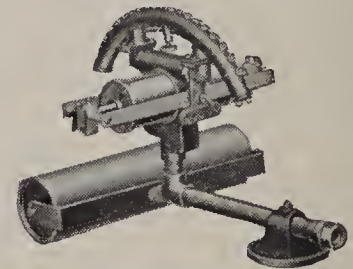
Waters a full circle or by a simple twist of the wrist is inverted and becomes a half circle. Delivers a fine spray over a 30-foot circle. Ideal for small places and fits in odd places on large estates. \$1.25.

Border Mist



A fine portable pipe-type Sprinkler 15 feet long. Waters one side at a time. Covers a width from 16 feet down to 2 1/2 feet. Spray controlled by handle. Mounted on wheels and stand. Only 20 pounds pressure required. Ideal for borders or plantings close to house. \$14.50.

Rain Wave



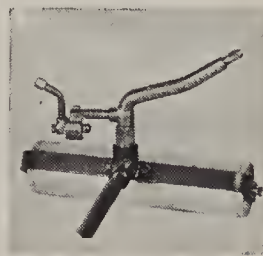
Consists of a sturdy water motor which slowly rocks a curved arm back and forth. Eighteen silver stream nozzles. Uniformly covers an area approximately 50 by 50 feet with a gentle mist-like spray. Operates on 20 to 40 pounds pressure. Easily adjusted to water one-half, one-quarter, or one-eighth of the full area. On roller base, 3/4-in. connection. \$35.

BUCKNER RAINERS

These discharge two directly opposed, unequal, slowly rotating streams. Almost the total water discharged passes, without obstruction, through a plain pipeway from bottom intake to main-arm nozzle. Slowly revolving sprinklers cover maximum diameters. Rotating streams eliminate "curling" of the main stream.

No. 6-A Sub-Junior

Gives superior performance where water supply is limited and pressure is low. On 15 pounds pressure it covers 50 feet and on 20 pounds, 60 feet. Roller Base 3/4-in. connection, \$10; on 5-ft. spike or tall flowers and vegetables, \$8.25.



No. 6-A Junior

Splendid performance on pressures from 30 to 70 pounds. Distributes large volumes of water very rapidly. Covers an area 70 to 150 feet in diameter, depending on pressure. Connections furnished for both 3/4-in. and 1-in. hose. On Roller Base, \$15.

WATERING SYSTEMS. We gladly furnish our customers with estimates on all types of systems. Customers planning to install Watering Systems should communicate with us. No obligation.

Sprinklers for the Small Lawn or Garden

Multispray

A sprinkling system built in rubber hose. Outlets can be opened up to sprinkle lawn or closed so that nozzle can be attached for watering garden. 25-ft. length, with 3 Sprinkler Heads, \$4.25; 50-ft. length, with 4 Sprinkler Heads, \$7.50.

Flaring Rose Hose Sprinkler

Ejects a fan-like gentle spray. Especially adapted for sprinkling flowers and delicate foliage. For watering seedlings and newly planted grass-plots. Stamped Brass, 50 cts. each; cast brass, with shut-off, 75 cts.

Sawco Portable Spray Head

For connecting with hose in series to create a movable and flexible lawn-sprinkling system. Produces a perfect mist-like spray, covering wide areas. Each Head is adjustable for large and small circle or to completely shut off. 75 cts. each, \$7.50 per doz.

The C. B. G. Sprinkler

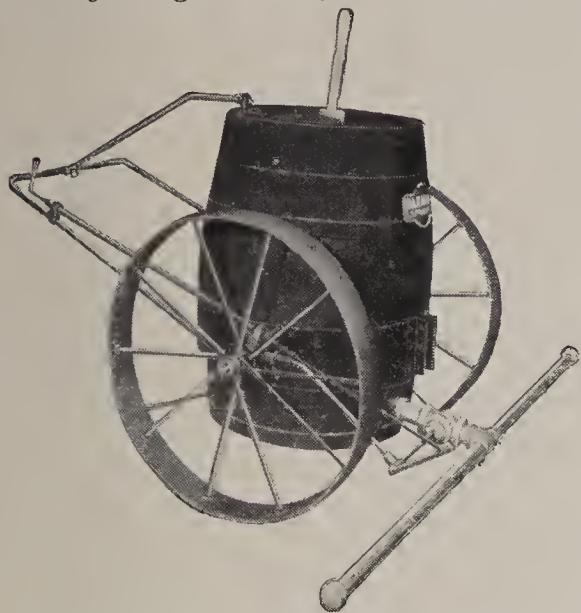
Cheap But Good

Nothing to get out of order. Will last a lifetime. It is easily drawn about the lawn without shutting off the water. 50 cts.

Efficient Spraying Devices for the Garden, Orchard, and Home

S. & W. Co.'s Sprinkling Cart and Spray Barrel

This combination is interchangeable. Truck conveniently takes both outfits by merely lifting barrel only.



SPRINKLING CART. Capacity 50 gallons. Sprinkler boom, 72 inches long. Wheels 30 inches in diameter, with 4-inch tread. Has agitator to mix solution in barrel. Sprinkler-control handle is within easy reach of operator, very rigid, and conveniently attached directly to axle: 6-inch opening in barrel. Perfectly balanced construction giving ease of operation.



SPRAY BARREL. Capacity 50 gallons. Pump body, plunger, and suction pipe are solid brass. The air-chamber is of seamless brass tubing, 4 inches in diameter, 12 inches long, with cast bronze top and bottom cap. Has extra hand-agitator in addition to agitator operated automatically by pump. Easy to pump and maintain a high pressure so that one man can hold spray-pipe with right hand and pump with the other. Maintains a pressure of 150 to 300 pounds with one man and 350 to 400 pounds with two men. Equipped with 25-foot special spray hose, 10-foot extension pipe, 3-way nozzle, 1 single-spray nozzle.

Combination Sprinkling Cart and
Spray Barrel.....\$75 00
Sprinkling Cart complete with Truck. 35 00
Spray Barrel complete with Truck... 63 50
Spray Barrel only, without Truck... 40 00
Truck only, with 4-inch-tread Wheels. 23 50

S. & W. Co.'s Paragon Sprayer No. 3

Capacity
12 gallons



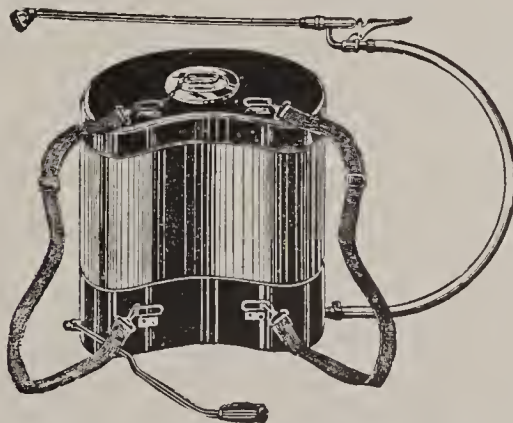
The demand for this portable, *non-clog-* gable Sprayer is steadily increasing, for its efficiency as a general-purpose Sprayer is making it very popular with thousands.

It has a circular, automatic, self-cleaning strainer which fits snugly over end of suction-pipe, and through which all liquids must pass before they enter the pump. The agitator passes up and down over this strainer, cleaning its entire surface with each stroke of the pump, detaching all sediment which the suction draws to its surface, thus keeping the strainer open. The openings in the strainer are slightly smaller than in the discharge nozzle. Thus, any particle passing through the strainer is also small enough to more readily pass through the discharge nozzle. This feature, found only in our Sprayer, permits of the use of a finer nozzle and enables the operator to do better and quicker work.

Recommended for spraying whitewash, cold-water paint, insecticides, fungicides, and all solutions in the garden or greenhouse. Will also spray trees 25 feet high.

Sprayer mounted on truck with two 12-inch wheels. Price, \$19.75; without truck, \$16.25.

Equipment: 10-ft. Special Spray Hose, 7½-ft. Extension Pipe, 1 Mist Nozzle, 1 Steel Cap, 1 Straight Spray. A Single Wheel Truck, with 16-inch wheel, will be furnished with the No. 3 Sprayer, when desired. \$19.75.



Vermorel Type Sprayer

Maintains about 35 pounds pressure. Equipped with ample length of 5-ply spray hose, automatic shut-off, 2-foot seamless brass extension, wide-web straps easily adjustable, and screen nozzle so operator can easily direct spray with one hand while pumping with the other. Four-gallon capacity. An excellent Sprayer for potatoes, garden truck, field-crops, etc., or where operator has to move about.
Copper-Bearing Galvanized Steel....\$12 50
Heavy Sheet Brass..... 16 50

S. & W. Co.'s Open-Head Auto-Spray

An excellent Compressed-air Sprayer especially adapted for spraying around the home, garden, stable, and poultry-house.

Tank made of corrugated brass or copper-bearing galvanized steel and lined with special non-corrosive coating to guarantee long life. Double riveted to ensure maximum strength.

No. 3-B. Brass Tank fitted with Automatic Shut-off 18-inch Seamless Brass Extension and Non-Clog Nozzle. Capacity 3 gals. \$7.50.

No. 3-G. Galvanized Tank. Equipment as above. \$5.

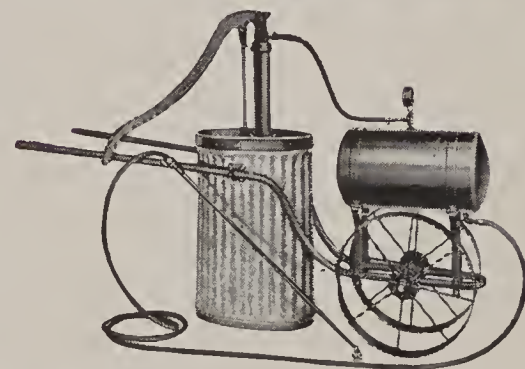
No. 4-B. Brass Tank fitted with Automatic Shut-off 2-foot Seamless Brass Extension and Non-Clog Nozzle. Capacity 4 gals. \$8.50.

No. 4-G. Galvanized Tank with equipment as above. \$6.

Non-Clog Nozzle with Small and Large Discs. 80 cts.
2-ft. Brass Extension Pipe. 60 cts.

20-inch Hose, with Auto-Pop Shut-off and Nozzle. \$2.25.

Aeroil Fire-Gun. Flame attachment. \$12.50.



S. & W. Co.'s Wheelbarrow Auto-Spray

This portable Wheelbarrow Sprayer is excellent for all general-purpose spraying. It is especially adapted for use in the greenhouse or garden where the rows are placed close together, as the bucket is oval shaped (as illustrated); the over-all width of bucket is 14½ inches.

Has full 15-gallon bucket which is corrugated for greater strength, heavy-duty pump, air-pressure tank guaranteed for 300 pounds pressure, air-pressure, gauge, steel wheelbarrowframe, and two steel wheels. Equipped with 12½-foot hose, 2-foot 8-inch iron extension, and screen Non-Clog Nozzle.

Pump will generate between 250 and 300 pounds pressure—ample for one or two leads of hose. Has efficient agitator to keep solution thoroughly mixed. Valves are of bronze and are easily removed for cleaning.

Recommended for spraying whitewash, kalsomine, cold-water paints, insecticides, disinfectants, etc. \$32.50.

Sprayers, Plant Stakes, Wall Nails, Tampers, Thermometers, etc.

S. & W. Co.'s Compressed-Air Sprayer



The most perfect small hand Compressed-air Sprayer made. Delivers a **continuous** fog-like spray. Is fitted with straight and adjustable nozzles making a perfect **under-leaf sprayer**. In fact, spray can be delivered at **any angle** or position desired. Holds 1 qt. Weight 2 lbs. Sturdy construction. Wonderful performance. All Tin, 85 cts.; Tin Pump and Galvanized Tank, \$1.25; Brass Pump and Copper Tank, \$1.75.

Bronx Bottle Sprayer

Nozzle throws powerful, broad mist. Can be sprayed in any direction. Sprayer is made to fit any ordinary bottle. Sprayer only, \$1.35; with special Screw-Cap Bottle, \$1.50.

Bucket Spray Pump

An economical hand sprayer for applying whitewash, cold-water paints, and disinfectants. Equipped with 3 feet of $\frac{1}{2}$ -inch Spray Hose and Bordeaux Nozzle, \$6.

Bamboo Spray Pole

For tall-tree spraying. Brass-lined to resist corroding effect of strong solutions. Equipped with Drip-shield and Brass Shut-off. 8 ft., \$4.

Brass Syringes

- No. A.** Barrel 12 in. long, diam. 1 in. One Spray Rose and one Jet. \$3.50. Weight 3 lbs.
- No. H.** Sheet-brass Syringe, with fixed Spray Rose. Barrel 16 in. long, diam. $1\frac{1}{2}$ in. \$4. Weight 4 lbs.
- No. 10.** Barrel 18 in. long, diam. $1\frac{1}{2}$ in. One coarse and one fine Spray Rose and one Stream Jet, with Patent Valves and Elbow Joint for sprinkling under the foliage. \$9. Weight 5 lbs.

Rubber Plant Sprays

- Sawco.** Straight neck. Capacity 10 fluid ozs. \$0 80
- Crook neck.** Capacity 10 fluid ozs. 1 00
- Scollay.** Capacity 12 fluid ozs. 1 35

Hampden Root Sprayer

Three feet long. Ideal for underground irrigation. \$3.50.

Plant Stakes

Plant Stakes, Green—	Doz.	100
1½-ft.....	\$0 35	\$2 00
2-ft.....	45	2 75
2½-ft.....	55	3 75
3-ft.....	70	5 50
3½-ft.....	90	6 50
4-ft.....	1 20	7 50
5-ft.....	1 60	8 50
Dahlia Poles, Tapering, Green—		
3-ft.....	\$1 80	\$10 50
3½-ft.....	2 00	12 00
4-ft.....	2 25	14 00
5-ft.....	2 75	17 50
6-ft.....	3 50	20 00
Special Dahlia Poles, Green. Solid ash; $\frac{3}{4}$ inch thick; non-tapering.		
5-ft.....	\$1 00	\$8 00
6-ft.....	1 50	10 00

PLANT STAKES, continued

Hickory Stakes, Green.	Doz.	100
3½-ft.....	\$0 65	\$5 00
Galvanized Wire Stakes.		
	Doz.	100 1000

3-ft.....	\$0 40	\$2 50	\$18 75
4-ft.....	50	3 30	24 75
5-ft.....	60	4 00	30 00

S. & W. Co.'s Spiral. Made of galvanized wire enameled green. A twist curls the spiral end about the stalk of the plant.

	Doz.	100
2-ft.....	\$0 90	\$6 00
3-ft.....	1 00	7 00
4-ft.....	1 25	9 00

Chinese Tonkin Cane. Bamboo Canes, strong and heavy. 2-, 3-, and 4-ft., $\frac{1}{4}$ - to $\frac{1}{2}$ -in. diam.; 5- and 6-ft., $\frac{3}{4}$ -in. diam.

	Doz.	100	1000
2-ft.....	\$0 45	\$1 75	\$15 50
3-ft.....	60	2 50	23 00
4-ft.....	75	3 50	32 00
5-ft.....	90	4 50	40 00
6-ft.....	1 25	7 00	65 00

Japanese Bamboo Canes, Green.

	Doz.	100	1000
2-ft.....	\$0 30	\$0 85	\$6 50
3-ft.....	35	95	7 00
4-ft.....	45	1 25	8 50
5-ft.....	55	1 50	9 75
6-ft.....	65	2 00	15 00

Japanese Cane, Natural. For staking plants and trees.

	Doz.	100	1000
6-ft.....	\$0 65	\$3 50	\$18 00
8-ft.....	1 25	6 00	40 00
10-ft.....	2 00	10 00	
20-ft.....	5 50	35 00	

BEAN POLES. 35 cts. each, \$3.50 per doz.

Adjusto Plant Supports

Sturdy, hardwood stakes, $\frac{7}{8}$ -inch square, 3, 4, 5, or 6 feet long with a strong wire support instantly adjustable to any height. Holds the plant firmly together, yet admits air and sunlight.

	Each	Doz.
3-ft.....	\$0 20	\$1 90
4-ft.....	25	2 15
5-ft.....	30	2 40
6-ft.....	35	2 70
Extra, 13-in. Wire Hoops.....	15	1 10

Perfection Plant Support

Made of wood and will not burn the vines in hot weather or cut them off when wet and swayed by the wind. Can be folded and stored away for following season's use. 3 ft. high, 1 ft. wide. 35 cts. each, \$3 per doz.

Tomato Supports, Wire. Made of heavy steel wire. 32 in. high, 14 in. diam. 50 cts. each, \$4.75 per doz., \$32 per 100.

Carnation Supports, etc.

Carnation Supports, Model Extension. 2-ring, \$1.10 per doz., \$7.50 per 100; 3-ring, \$1.35 per doz., \$8.50 per 100.

Baur's Carnation Clip. Plier and 1000 Clips, \$4.50. Plier alone, \$3.50. Extra Clips, \$1 per 1000.

Carnation Bands, Rubber. Prevents splitting. 15 cts. per oz.

Torches

Asbestos. Attach the Torch to the end of a pole, saturate with kerosene oil, light, and hold under the caterpillars' nests, passing quickly along the branches and around the trunk of the tree. Without pole, 60 cts.

Collins Caterpillar. Consists of tray and oil-lamp pivoting on a wire frame. Tray catches caterpillars. Without pole, 75 cts.

G. B. Vine Supports

For training roses and climbing vines on brick, stone, or wood without defacing surface. Box of 25 Supports, with Cement, \$1, postpaid; 100 Supports, \$3.

"Beat All" Wall Nail

For training vines, ramblers, etc. Made of metal with pliable lead tip which can be bent to any desired position.

	Doz.	100
1-in.....	\$0 35	\$2 25
1½-in.....	40	2 75
2-in.....	50	3 25

Vyn-Tach Hooks

Attach your climbing roses and other vines to masonry or wooden surfaces.

Vyn-Tach Hooks for Masonry. Complete set of 25 Vyn-Tach Hooks and 25 Dryvin Shells with Drill, Drill-holder and instructions for installing in concrete, brick, or stucco. \$2 per Set. Complete Set of 100, \$5. Without Drill and Drill-holder, \$1.30 for 25, \$4 per 100.

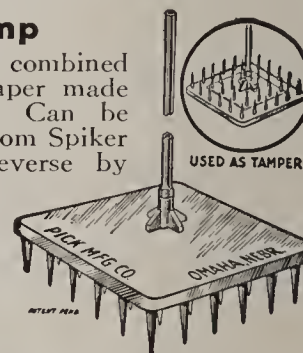
Vyn-Tach Hooks for Wood. 25 Vyn-Tach Hooks, \$1; 100 Hooks, \$3.60.

Pennsylvania Lawn Sweeper

Designed to remove dead leaves, but it may be converted quickly into a mechanical brush for distributing worm-casts, etc., when steel rakes, with which the machine is normally fitted, are removed and replaced with brushes. 24-in. With either Rakes or Brushes. \$30. Brushes or Rakes extra, \$9 per set.

Spike Tamp

An indestructible, combined Perforator and Tamper made of malleable iron. Can be quickly converted from Spiker to Tamper and reverse by loosening one nut. Plates 9 in. square; Spikes $1\frac{1}{4}$ in. long, tapering. Overall length 4 ft. Weight 13 lbs. \$3.50.



Tampers

S. & W. Co.'s Iron Sod Tamper. Used when laying turf and for compacting the sod after frost. The Tamper is square and is furnished complete with a 4-foot handle.

Size	Weight	Price
8 x 8-in.....	14 lbs.....	\$1 50
10 x 10-in.....	18 lbs.....	2 00

Thermometers

No. 5420. Greenhouse. Black japanned heavy tin case. Oxidized brass scale, white figures. (Spirit.) 8-in., \$1; 10-in., \$1.25.

No. 5154S. Coppered tin case; distance reading. Black oxidized brass scale, white figures. (Spirit.) Scale range, 120 degrees above to 40 degrees below zero. 8-in., 85c.

No. 5452, Self-Registering. (Siege's Pattern.) Lacquered polished brass case, white figures. **Maximum** and **Minimum.** 10-in., \$7, with magnet.

No. 5400. Black japanned heavy tin case; brass scale, white figures. (Mercury.) Range, 40 degrees below zero to 120 above.

Standard Grade. 8-in., \$1.75; 10-in., \$2.

No. 5127. Steel, finished white enamel. Black figures make it easy to read at a distance. Temperature from 20 below to 120 degrees Fahrenheit. (Spirit.) 8-in., \$1.

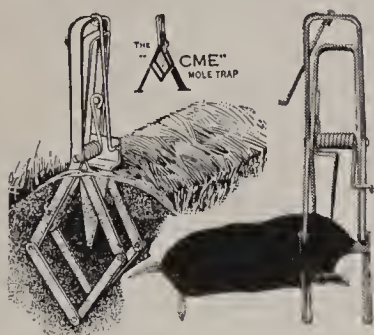
No. 5981. Hotbed. Pointed wood frame. Brass oxidized scale, white figures. Best grade, mercury-filled bulb-chamber giving good contact. 15-in., \$3.

Traps, Trowels, Tubs, Twines, Vases, Weeders, and Wheelbarrows

Mole-Traps



Little Giant



Acme

The Little Giant. The simplest, safest, and surest Mole-Trap ever invented. \$1.

Acme. The V-shape, trigger-tooth Mole-Trap. \$2.

Nash "Choker Loop." This Trap catches the mole from either direction. \$1.50.

Insect Traps

Japanese Beetle Traps. Finished in green. Complete with can of bait \$1.50; extra bait, 50 cts. per can. (Mason jars for this Trap can be obtained from local hardware store.)

Electracide Lamp. Kills moths, flies, beetles, and other insects that fly at night. Can also be used as a porch or veranda light. Made of aluminum, dome painted green. Uses a 75-watt lamp. \$9.75.

Trowels



Slim Jim. Excellent for setting bulbs or transplanting. 5-in., 20 cts.; 7-in., 25 cts.



Forged Steel. This Trowel is second to the Stumpwall Trowel in quality and finish. The blade and shank are one piece, forged out of the best steel. Made in three sizes: 5-in., 65 cts.; 6-in., 75 cts.; 7-in., 85 cts.



The Stumpwall is the best Trowel made. The ferrule and shank, as well as the blade, are forged in one piece. Only the very best material used. 6-in., 85 cts.



Ladies' Aluminum. Made of solid cast aluminum; handle finished in green; 10½ inches long, 3 inches wide. 60 cts.

Tree Guards

Made of ¾-inch channel steel, secured with three flat steel bands. Finished in baked-on green enamel. Guard forms ample protection for any tree and prevents bark being marred by animals or children.

Diam.	Height	Each
9 in.	72 in.	\$2 50
12 in.	72 in.	3 50

Barclay Tree Tubs

Made of seasoned, selected, Virginia white cedar, bound with electric welded wire hoops (galvanized), three hoops to each, except the two smallest tubs which have two.

No.	Inside Top diam.	Inside Depth	Each
No. 1	6 in.	6 in.	\$0 60
No. 2	7 in.	7 in.	65
No. 3	8 in.	8 in.	70
No. 4	9 in.	9 in.	75
No. 5	10 in.	10 in.	90
No. 6	11 in.	10 in.	1 10
No. 7	12 in.	11 in.	1 35
No. 8	13 in.	12 in.	1 60
No. 9	14 in.	13 in.	1 90
No. 10	15 in.	14 in.	2 25

New York Cedar Plant Tubs

Made of the choicest seasoned, selected, Virginia white cedar. These Tubs are painted both inside and out with best oil-paints, and the hoops and castings are trimmed in a jet-black paint. Will outlast by many years the Tubs made of any other known wood.

No.	Diam.	Height	Each
No. 1	12 in.	10½ in.	\$2 50
No. 2	13 in.	13 in.	3 25
No. 3	14½ in.	15 in.	4 00
No. 3½	16½ in.	15¼ in.	5 25
No. 4	19½ in.	17 in.	6 00
No. 5	22½ in.	18½ in.	7 25

Warren-Church Tubs

Made of well-seasoned Virginia white cedar, painted green. Iron feet and handles. Flat iron hoops. Well constructed. Inside top, 15 inches; inside bottom, 14 inches; outside height, 16 inches. Staves 1¼ inches thick. One size only. \$3 each, \$5 per pair.

Fibreware Flower Vases

Deep mahogany color. Waterproof.

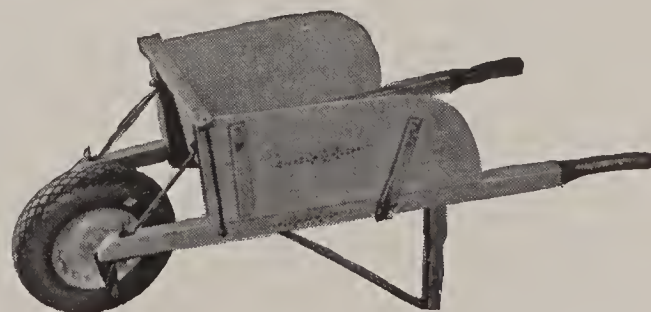
No.	Depth	Diam.	Each	Doz.
No. 44	8¾ in.	3½ in.	\$1 35	\$13 50
No. 1	10 in.	6 in.	1 85	18 50
No. 33	12 in.	4¾ in.	1 95	19 50
No. 22	15 in.	4½ in.	2 75	27 50
No. 11	18 in.	6 in.	3 75	37 50

Green Iron Flower Vases

No.	Height	Top Diam.	Each	Doz.
No. 1	10 in.	4¾ in.	\$0 50	\$5 00
No. 2	12 in.	6½ in.	75	7 50
No. 3	13½ in.	6½ in.	85	8 50
No. 4	15 in.	6½ in.	90	9 00
No. 5	17 in.	6½ in.	1 00	10 00

S. & W. Co.'s Garden Barrow

We guarantee the S. & W. Co.'s Barrows to be better made and more neatly finished than any other Garden Barrow on the market. Constructed of selected, clear-grained hardwood and finished in the natural wood, varnished, they are made light and substantial for long service. All Barrows can be furnished with steel or pneumatic-tired wheels.



SIZE	Front Width	SIZE OF BOX		Rear Width	SIZE OF WHEEL		Price with Steel Wheel	Price, Pneumatic Tire
		Depth	Length		Diam.	Tread		
Boys'	15½ in.	9 in.	21 in.	18 in.	16 in.	1½ in.	\$6.50	
Medium	18½ in.	12 in.	26½ in.	23 in.	20 in.	3 in.	8.00	\$16.00
Regular	20 in.	12 in.	28 in.	24 in.	20 in.	3 in.	8.50	16.50

Twines, Raffia, and Wire

S. & W. Co.'s Smilax Thread. Very strong green thread warranted not to fade. Best Thread on the market. Spool 25 cts., 8 spools \$1.75.

Silkline. Very largely used for tying. Three sizes: F, fine; FF, medium; and FFF, coarse. Spool 40 cts., box of 8 spools \$3.

Bouquet Twine. White. 2¾-oz. ball 20 cts., lb. \$1, 5 lbs. \$4.75.

Sea Island Cotton. Green. Ball 25 cts., box of 8 balls \$1.50.

Twine, Soft Jute. For tying vines, etc., without danger of bruising. Very strong; 3-ply. **Natural.** ½-lb. ball 25 cts., 3 balls 60 cts., 12 balls \$2. **Dyed Green.** ½-lb. ball 35 cts., 3 balls \$1, 12 balls \$3.50.

Sisal Twine. 5-lb. ball \$1.75.

Binder Twine. 5-lb. ball \$1.50.

Tinfoil. Plain, lb. 50 cts.; colored Green or Violet, lb. 75 cts.

Tarred Yarn. Excellent, low-priced material for raspberries, shrubs, etc. Ball (1 lb.) 50 cts., 5 balls \$2.25.

Raffia, Natural. For tying plants. ½lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50.

Colored. All standard shades. ½lb. 50 cts., lb. 90 cts.

Wire, Bouquet, Florists' Annealed. Nos. 22 and 24. In coils of 12 lbs., \$2.50 per coil.

Florists' Bright. Cut in lengths. In boxes of 12 lbs. (one stone), 12 in. and 18 in. long. No. 22, \$2.75; No. 24, \$3.

WEEDERS

"Speedy" Cultivator

The prongs get right down to work in loosening soil and breaking crust. Ideal for weeding. \$1.25.

Eureka

The favorite of all Hand Weeders. Three solid steel prongs are set 1½ inches apart to allow cultivating between two or more plants at once. Short handle, 60 cts.; larger size, 24-in. handle, 75 cts.

Dandelion and Lawn

Used for digging out dandelions and other weeds from lawns. Has bent blade and 3-foot handle, making it very convenient to use in standing position. 65 cts. each, \$7.15 per doz.

Cleveland Lawn Weeder

Simple to operate. It not only saves the back but is actually a pleasure to use. Excellent for dandelions, plantains, hawkbits, and shepherd's purse. \$1.50.

Remedies for Insects and Fungus

Purchaser pays transportation beyond 50 miles of New York

FOR APHIS, THRIPS, MEALY BUGS, RED SPIDERS, SUCKING AND CHEWING INSECTS

Rotene Insect Spray. A concentrated, non-poisonous, rotenone-pyrethrum spray with penetrant. Harmless to all fruits, vegetables, and flowers, as well as humans and animals. Very effective against all chewing and sucking insects. Does not require the addition of soap, as it carries its own spreader. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$10.

Arsenate of Lead, Powder. For chewing insects. 1/2 lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 100 lbs. \$15.

Black Arrow Insect Dust. Non-poisonous contact dust for chewing and sucking insects. Lb. 50 cts., 5 lbs. \$2.25.

Black-Leaf 40. Nicotine sulphate for aphids and sucking insects. Oz. 35 cts., 5 ozs. \$1, lb. \$2.25, 2 lbs. \$3.25, 5 lbs. \$5.85, 10 lbs. \$10.60.

Borerkil. A preparation in jelly form for killing borers in stems. Large tube 75 cts.

Dutox. A non-arsenical insecticide for leaf-eating insects. Lb. 40 cts., 6 lbs. \$2, 50 lbs. \$14, 100 lbs. \$27.50.

Ever Green. Non-poisonous. Deadly to sucking and chewing insects. Oz. 35 cts., 6-oz. can \$1, 16 ozs. \$2, gal. \$11.

Fish-Oil Soap. For washing off lemon trees and oleanders infested with a soft-shelled or in fact almost any kind of insect. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Garden Flit. For sucking and chewing insects. With built-in duster. 50 cts.

Hellebore, Powdered. Kills currant worms. 1/2 lb. 30 cts., lb. 50 cts., 5 lbs. \$2.

Imp Soap Spray. Very effective against sucking insects. Gal. \$3, 5 gals. \$12.

Kerosene Oil Emulsion. For all soft-bodied insects. Qt. 75 cts., gal. \$2, 5 gals. \$8.50.

Lemon-Oil Insecticide. For mealy bug, thrip, red spider. Qt. \$1, gal. \$3.

Lethane 440. For mealy bug. Pt. \$2, qt. \$3, gal. \$8.50.

Hortex. The new Rotenone contact and stomachic insecticidal dust combined with colloidal sulphur to preserve it and lengthen the period of insecticidal efficiency. It is non-poisonous. Used for the control of many fungous diseases and chewing and sucking insects. A dust unsurpassed for its effectiveness. Contains 1 per cent Rotenone. Lb. 50 cts., 5 lbs. \$2, 25 lbs. \$8, 100 lbs. \$27.50.

Magnesium Arsenate. For the Mexican bean beetle. Apply as a wet spray. 2-lb. bag 80 cts., 4 lbs. \$1.50, 8 lbs. \$2.75.

Napthalene Flakes. For thrip on gladiolus bulbs. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$3.50, 100 lbs. \$12.

Paris Green. For chewing insects. 1/4 lb. 15 cts., 1/2 lb. 30 cts., lb. 55 cts., 5 lbs. \$2.50, 14 lbs. \$5.

Pomo-Green, with Nicotine. For sucking and chewing insects. Lb. 75 cts., 5 lbs. \$3, 25 lbs. \$12. **Without Nicotine.** For chewing insects. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Pyrethrum Powder. A dust for most garden insects, also invaluable for pets in the home. Lb. 75 cts., 5 lbs. \$3.

Pyrox. Kills chewing and sucking insects. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3, 25 lbs. \$5.65, 50 lbs. \$8.55, 100 lbs. \$15, 300 lbs. \$37.50.

Red Arrow Garden Spray. Non-poisonous. A contact spray fatal to both chewing and sucking insects. Oz. 35 cts., 4 ozs. \$1, pt. \$2.50, qt. \$4, gal. \$12.

Selocide. For red spider. Qt. \$1.25, gal. \$3.25.

Slug-Shot. The standard remedy for currant worms, rose slugs, cabbage worms. Lb. 25 cts., 5 lbs. \$1, 25 lbs. \$4, 125 lbs. \$18.

Sofyne Liquid Soap. Recommended to be used with Black-Leaf 40, and Ever Green. 5 ozs. 20 cts., qt. 50 cts., gal. \$1.50, 5 gals. \$6.50, 10 gals. \$10.

Kilmdead Plant Spray. An insecticide and plant-wash. Excellent for outdoor plants such as roses, chrysanthemums, and evergreens. Also invaluable for the most tender plants under glass. Tones up foliage and surprisingly improves the appearance of the plant. Very effective and safe to use. 1/2 pt. 40 cts., qt. \$1, gal. \$3, 5 gals. \$10, 30 gals. \$55, 50 gals. \$85.

Thrip Juice (Hammond's). Very effective against aphids, red spider, mealy bug, etc. Qt. \$1.25, gal. \$4.80.

Thripco. A fumigant insecticide for the control of gladiolus thrips. Kills both thrips and eggs. Thripco releases a gas very deadly to this pest and results in complete kill. Use as a dust at the rate of one pound to 1000 corns. Lb. 35 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6, 50 lbs. \$10, 100 lbs. \$15.

Tobacco Dust (Kilmdead). Best of the Tobacco Dusts for dusting or fumigating. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$2, 100 lbs. \$6.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. 6-oz. can 35 cts., lb. 65 cts., 5-lb. can \$3, 10-lb. can \$5.65, 25 lbs. \$12.

Balsam Wool. For wrapping around bark before applying Tanglefoot. 16-ft. rolls, 3 in. wide, 3 cts. per ft.

Volck. A spray for mealy bugs, white flies, red spiders, rust mites, and similar insects. Qt. 75 cts., gal. \$2, 5 gals. \$6.25, 14 gals. \$11.25.

Wilson's O. K. Plant Spray. For sucking insects. Gal. \$3, 5 gals. \$12, 25-gal. bbl. \$50, 50-gal. bbl. \$90.

X-L-ALL Liquid Insecticide. Destroys mealy bug, scale, thrip, red spider. Qt. \$3.50, 1/2 gal. \$5, gal. \$9.50.

FOR BLACK-SPOT, MILDEW, FUNGUS, RUST, AND BROWN-PATCH

Tri-ogen. A triple-acting spray controlling black-spot, mildew, blight, sucking and chewing insects on roses.

Small Kit (For 25 roses).....\$1 50
Medium Kit (For 75 roses)..... 4 00
Large Kit (For 150 roses)..... 6 00
Estate Kit (For 500 roses).....20 00

Kits are sufficient for season

Bordeaux Mixture, Dry Powder. The recognized fungicide for the control of most fungous diseases of fruits and ground crops. 1/2 lb. 25 cts., lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$5, 50 lbs. \$9.50, 100 lbs. \$16.

Pomogreen Without Nicotine. For black-spot, mildew, and rust. Lb. 50 cts., 5 lbs. \$1.75, 25 lbs. \$8.

Copper Solution, Ammoniated. A fungicide similar to Bordeaux. For black-spot on roses. 1/2 pt. 50 cts., qt. \$1.50, gal. \$4.50.

Copper Sulphate (Bluestone). Lb. 25 cts., 5 lbs. 85 cts., 10 lbs. \$1.50, 25 lbs. \$3.50, 100 lbs. \$12.

Fungitrogen. For mildew and black-spot. 1/2 pt. 75 cts., pt. \$1.25, qt. \$2, gal. \$6.

Fungine. For mildew, rust, wilt. Qt. \$1, gal. \$3.

Semesan. For "brown-patch." 2 ozs. 50c., lb. \$2.50, 5 lbs. \$11.75, 25 lbs. \$46.25, 100 lbs. \$180.

Grape and Rose Dust. For mold, mildew, or rust-mites. Use as a dust. 5 lbs. \$1.50, 25 lbs. \$6.50, 100 lbs. \$22.

Nugreen. For controlling brown-patch in lawns. 3 ozs. 50 cts., lb. \$1.65, 5 lbs. \$7, 25 lbs. \$30, 100-lb. drum \$115.

Sulforon. A wettable sulphur for black-spot and mildew. 4-lb. bag 65 cts.

Sulphur. 100% Pure Sublimed. Used for checking mildew. Lb. 25 cts., 5 lbs. \$1, 10 lbs. \$1.60, 100 lbs. \$12.

For Cutworms, Earthworms, Grubs, and Other Ground Pests

Senoled. A compound of lead arsenate and colloidal phosphate for grub-proofing lawns and gardens. Will destroy Japanese beetles, wire-worms, cutworms, maggots, and earthworms. Lb. 35 cts., 5 lbs. \$1.50, 25 lbs. \$3, 100 lbs. \$8, 500 lbs. \$35, ton \$125.

Mag-o-Tite. For the protection of vegetables against the destructive root maggot. 2-lb. pkg. 35 cts., 4-lb. pkg. 60 cts., 8-lb. pkg. \$1.

Para-Dichlorobenzene. Highly recommended for destroying the peach borers attacking trees four years and older. One ounce is sufficient for each tree. Lb. 60 cts., 5 lbs. \$2.50, 10 lbs. \$4.

Snarol. For cutworms. Simply dust around plants. Lb. 25 cts., 4 lbs. 60 cts., 15 lbs. \$2.25, 50 lbs. \$6.

Vermol. For earthworms in lawns, turf courts, and putting-greens. Non-poisonous, harmless to birds and animal life. Sold in powder form. Apply at the rate of 1/2 lb. per sq. yd. and flood turf immediately. Best results are obtained on warm damp days. 5 lbs. 75c., 25 lbs. \$2.25, 100 lbs. \$6.50, 500 lbs. \$30, 1000 lbs. \$57.50, ton \$110.

Dormant Sprays for Control of Scale Insects

Scalex. For scale, leaf-roller, pear psylla when plants are dormant; for white fly, young scale, and aphids in summer. Do not use as a summer spray on stone fruits. Qt. 50 cts., gal. \$1.25, 5 gals. \$5, 10 gals. \$9, 30 gals. \$13.75, 50 gals. \$20.

Fish-Oil Soap. For mild forms of scale. Lb. 30 cts., 5 lbs. \$1.25, 25 lbs. \$4, 100 lbs. \$13.

Lime-Sulphur, Concentrated. For San José scale. Qt. 50 cts., 1-gal. can \$1.25, 5 gals. \$3.50, 30-gal. bbl. \$10, 50-gal. bbl. \$14.

Lime-Sulphur, Dry. Dormant spray for fruit and shade trees. Lb. 40 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5, 100 lbs. \$17.50.

Scalecide. Used for the destruction of the San José scale. Qt. 65 cts., gal. \$1.55, 5 gals. \$5.50, 10 gals. \$9.50, 15 gals. \$13.25, 30-gal. bbl. \$21, 50-gal. bbl. \$29.

Sunoco Oil Spray. For scale. Gal. \$1.50, 5 gals. \$6.25.

Volck. A spray for scale insects. Qt. 75 cts., gal. \$2, 5 gals. \$6.25, 14 gals. \$11.25.

Insecticides and Sundries

NOTE: On orders for Insecticides and Fungicides, we prepay to points within 50 miles of New York City. If shipment is made beyond 50 miles of New York City, customer pays transportation charges on arrival. We send by express or freight items hereunder marked not mailable

FOR ANTS, MOLES, RATS, MICE, AND OTHER RODENTS

ANT BAIT. Jelly form. Press tube and allow from $\frac{1}{8}$ to $\frac{1}{4}$ inch of the jelly to rest on side of ant-hill. In the home, from $\frac{1}{4}$ to $\frac{1}{2}$ inch may be spread on floor, shelf, cupboard, or wherever else they happen to be. 1-oz. tube (for use in the home or light infestations in the garden) 35 cts.

3-oz. tube (for heavy infestations in the garden or home) 85 cts.

8-oz. tube (for very large areas) \$1.75.

Ant Powder, Dolco. Very effective for ridding lawns and shrubbery of ants, also refrigerator shelves, floors, and other places. 3-oz. can 30 cts., lb. \$1.

Ant-Trap, "Tat." Destroys all species of ants. Trap contains two baits attracting both SWEET- and GREASE-eating ants. For house or garden ants. Metal container with non-fluid bait. Safe around children or pets. A twist of the wrist, it's ready to use. 25 cts. each, \$2.75 per doz.

Carbon Bisulphide (Ant Destroyer). Poisonous and explosive. Keep away from all flames and your nose. For ants in walks, pour a little Bisulphide on each nest; in lawns and gardens, insert the Stumpp & Walter Funnel and Skewer at intervals of 10 inches and pour a tablespoonful in each hole. Can 75 cts. Funnel and Skewer for using Carbon Bisulphide, \$2.50. (Not mailable.)

Cyanogas A Dust. Creates a gas that kills instantly. For rats, moles, and woodchucks. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$30. S. & W. Co.'s Super-Duster \$1.25. Foot-Pump \$6. (Not mailable.)

Cyanogas Ant-Killer. Ants die instantly. Insert spout of can and pour in a small amount of Cyanogas Ant-Killer. Then cover hole. 4-oz. can 30 cts., \$3.25 per doz. (Not mailable.)

Mo Lo. Punch a hole in the top of the run, drop in one pellet and cover lightly; repeat every 8 feet. Poisonous—wear gloves. Pkg. of 12 tablets 35 cts., doz. pkgs. \$3.50, lb. (1250 tablets) \$18.

Mouse Cereal. Natural mouse-food. Little seeds impregnated with a deadly poison which, however, is not attractive to dogs and cats. A quick, tidy way to get rid of mice. $2\frac{1}{2}$ ozs. 25 cts.

Napthalene Flakes. After setting bulbs, sprinkle lightly with flakes and cover with soil. Protects bulbs against ravages of moles and field-mice. Lb. 25 cts., 5 lbs. 75 cts., 25 lbs. \$3.50, 100 lbs. \$12.

Rat Scat. Non-poisonous powder which you simply mix with the type of food rats ordinarily find on your premises. No danger to humans or animal pets. $2\frac{1}{2}$ ozs. 65 cts., 5-oz. can \$1.

GREENHOUSE FUMIGANTS AND INSECTICIDES

Cyanogas (G) Fumigant. Generates deadly hydrocyanic acid gas effective in controlling aphids, thrips, white fly. Scatter over the greenhouse walks and close the house for the night. For real economy and sure kill Cyanogas is unsurpassable. 5 lbs. \$3, 25 lbs. \$10, 100 lbs. \$30. (Not mailable.)

Fumetobac. A fumigating tobacco powder for burning in greenhouses. Guaranteed over 2 per cent nicotine strength. 25 lbs. \$4.25, 50 lbs. \$7.50, 100 lbs. \$14.

Nico-Fume Liquid. A free nicotine. Lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10, 40-lb. drum \$40.

Nico-Fume Paper. A paper treated with nicotine, giving off strong fumes when ignited. Box of 24 sheets \$1.25, box of 144 sheets \$4.50.

Nico-Fume Tobacco Powder. For fumigating the greenhouse and conservatory. High nicotine content. Burns easily and is very effective. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$3.35, 10 lbs. \$5.85.

ROTENE INSECT SPRAY. A concentrated, non-poisonous, rotenone-pyrethrum spray with penetrant. Harmless to all fruits, vegetables, and flowers, as well as humans and animals. Very effective against all chewing and sucking insects. Does not require the addition of soap, as it carries its own spreader. Oz. 35 cts., 4-oz. bottle \$1, pt. \$2, qt. \$3.50, gal. \$10.

Tobacco Stems. For fumigating and placing under benches in greenhouses. Bale of about 100 lbs. \$4.50, 5 bales \$20, 20 bales \$50.

SEED- AND SOIL-DISINFECTANTS

Ansul Formaldehyde Dust. A dust-treatment for the sterilization of the soil and disinfection of the seed against damping-off. Lb. 75 cts., 5 lbs. \$2, 25 lbs. \$5.50, 50 lbs. \$9.

Formacide. A stabilized formaldehyde dust. Triple-strength seed- and soil-disinfectant. Used as a control of damping-off. $\frac{1}{2}$ lb. 45 cts., lb. 75 cts., 5 lbs. \$2, 25 lbs. \$5.50, 50 lbs. \$9, 100 lbs. \$17.

Semesan. A mercurial fungicide for the control of seed-borne diseases such as rotting and seedling damping-off. 2-oz. tin 50 cts., lb. \$2.50, 5 lbs. \$11.75, 25 lbs. \$46.25, 100 lbs. \$180.

WEED-KILLERS

NOXWEED. A very high quality liquid weed-killer. Contains five pounds sodium arsenite to the gallon. Satisfaction guaranteed if used according to instructions. This weed-killer may be applied by means of a sprinkling apparatus of any kind such as watering can, sprayer or sprinkling barrel. It is harmless to stone, woodwork, or shoes. One thorough application will kill all weeds. One gallon diluted 1 part to 40 parts of water will cover 100 to 150 square yards of space. Qt. 65 cts., gal. \$1.75, 5 gals. \$6, 10 gals. \$11.50, 30 gals. \$25, 55 gals. \$40.

Atlacide (Non-Poisonous, Powder). Kills poison ivy, Canada thistle, etc. Apply as a dust only. Lb. 50 cts., $3\frac{1}{2}$ lbs. \$1.50, 15 lbs. \$3.50, 50 lbs. \$7, 100 lbs. \$13.50.

Climax Lawn Sand. A combination of carefully dried and finely ground chemicals. Destroys weeds in lawns. $3\frac{1}{2}$ -lb. can 85 cts., 7-lb. can \$1.65, 14-lb. can \$2.75, 28-lb. pkg. \$4.50, 56-lb. pkg. \$8.

Purfek Chickweed Eliminator. When properly applied, kills only the chickweed and does not injure the grass. Mix with water and spray the solution over the turf. Do not spray in hot weather. Early spring or late fall will give best results. Qt. 75 cts., gal. \$2, 5 gals. \$9, 10 gals. \$17, 50 gals. \$60.

Hypocane. A non-corrosive metal gun with needle ejector for killing dandelions and other weeds. One punch into any weed releases sufficient liquid to kill immediately. Gun complete with 2 quarts of Liquid, \$2.50. Extra Liquid, 1-gal. can \$1.75.

SUNDRIES

Crow Repellent. Seed-preserver for corn. Prevents crows and other birds taking the seed. Does not retard germination. Small can, enough for 1 bus., 60 cts.; large can, enough for 2 bus., \$1.

Dog-Skat. Protect your evergreens. Keep dogs away. The odor slowly emanating from the open tube will keep dogs away. A tube lasts from six months to a year. Tube 30 cts., 3 for 80 cts.

Dogzoff. A repellent for dogs, cats, and rabbits. One spray will last three to four weeks. Not offensive to humans. Bottle 60 cts.

Dust Respirator. Light and comfortable. Easily and quickly adjustable. \$3.

Grafting Wax. Even consistency and elasticity. Used for grafting, budding, top-working, etc., of all fruit and ornamental trees. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., lb. 65 cts.

Styptic. To prevent bleeding of vines after pruning. Bottle \$2.

Tree Cavity Fill. A plastic material to which hard-pine sawdust is to be added for bulking action. Better than cement and mortar. It has better adhesion and flexibility. 5 lbs. \$2.50, 10 lbs. \$4.50, 35 lbs. \$12, 150 lbs. \$45.

Tree Wound Paint. Prevents decay. A residuum, penetrating, antiseptic Paint that is not affected by heat, cold, or moisture. Does not peel, crack or get brittle. Stops tree bleeding. Pt. 35 cts., qt. 65 cts., gal. \$1.75, 5 gals. \$7, 10 gals. \$13, 30 gals. \$37.50, 50 gals. \$42.

FERTILIZERS, MANURES, SOIL INGREDIENTS

Fertilizers are delivered free within 50 miles of New York by truck, mail, express, or freight, at our option

The Facilities of our Machinery are at your Service. We are glad to make special mixtures of Fertilizers to your own analysis or formula in lots of 1000 pounds or over. Price, depending on ingredients, on application.

ALL SAWCO FERTILIZERS ON THIS PAGE ARE OF OUR OWN MANUFACTURE



A slowly available, high-analysis tree-food in cartridge form for restoring weakened trees and shrubs to their natural healthy state—economically, conveniently, and safely. No danger of root-burning or overfeeding. Cartridges last an entire season.

Carton (4 large tree-food eartridges) for shade and fruit trees, \$1; in bulk, \$20 per 100. Carton (8 small tree-food cartridges) for evergreens and shrubs, \$1; in bulk, \$9.50 per 100.

SAWCO

Emerald Grass Fertilizer

For lawns and golf putting-greens. A well-balanced organic chemical formula of the purest ingredients, designed to feed grasses and to keep them in a healthy condition. Several applications of Emerald Grass Fertilizer ensure a beautiful lawn and a most wonderful putting-green. When building a lawn, from 1 ton to 1½ tons per acre (minimum, 50 pounds per 1000 square feet) should be harrowed or raked into the upper surface. Every spring and early autumn existing lawns may be given a dressing of 500 to 1000 pounds per acre (25 pounds per 1000 square feet); when applied as a top-dressing to turf, it is best to mix the Emerald Grass Fertilizer with four times its bulk of fine soil or sand before broadcasting. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Rose Food

A plant-food of specially compounded ingredients beneficial and desirable for the proper growth of roses and the eradication and control of root-pests. For new plantings, use one trowelful of Sawco Rose Food thoroughly mixed with the soil. For established plantings, a liberal dusting in the early spring and late fall is recommended. Work into the soil with rake or hoe. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

Chrysanthemum Food

(An old English formula.) All organic; not immediately soluble. A plant-food for Chrysanthemums, Pelargoniums, Cinerarias, and many other greenhouse plants. Most valuable for the above plants when mixed with the soil before potting. Mix 5 pounds to a wheelbarrow load of soil. Follow with occasional light top-dressings and water. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6.

SAWCO

Superior Tree Food

A highly concentrated, balanced fertilizer strongly recommended for fruit trees, shade trees, evergreens, and flowering shrubs. On evergreens and shrubs, broadcast lightly and rake well into the soil. For shade trees, punch holes in ground about 12 inches deep and 1 inch in diameter, in circular formation, 3 feet apart, directly under the farthest branch, and fill holes with the fertilizer, covering with soil. Do not apply near the trunk. Lb. 35 cts., 5 lbs. \$1, 10 lbs. \$1.50, 25 lbs. \$3, 50 lbs. \$5, 100 lbs. \$8, 500 lbs. \$35, 1000 lbs. \$65.

SAWCO

General Garden Fertilizer

For vegetables, flowers, and fruit. Recommended strongly as the best for all-round work in the garden. Use it at the rate of 1000 pounds to the acre, or 3 ounces to the square yard when preparing land for planting in the spring. Good practice, too, is to spread General Garden Fertilizer between the rows of plants when they are growing and then to hoe it into the soil; use about 3 pounds per 100 running feet for this, repeating every month. When planting beans, cucumbers, etc., in hills, a handful worked into the soil under the hill will be a great help, and the same thing may be done when planting tomatoes, cabbages, peppers, peonies, etc. Before sowing seeds in rows a little General Garden Fertilizer may be placed in the drill and the soil stirred to mix it thoroughly. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

SAWCO

Dahlia Food

A fertilizer specially prepared for Dahlias. Rich in potash and also contains sufficient nitrogen and phosphoric acid properly blended to give only best results. Mix a handful with the soil thoroughly before setting tubers and later top-dress with liberal applications worked into the soil, especially as soon as buds are beginning to form. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

SAWCO

SAWCONURE

An organic fertilizer containing peat-moss, cow-manure, and poultry manure, air-dried. Feeds plants and builds soil. Free from weed seed. For gardens, lawns, and golf putting-greens. Use 25 pounds or more per 1000 square feet, one-half ton or more per acre, for existing grass, and from 50 pounds to 100 pounds per 1000 square feet when preparing land for seed. For gardens, vegetables, and flowers, use 100 pounds per 1000 square feet. Incorporate well with the soil. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$35, ton \$60.

SAWCO

Acidulous Fertilizer

A plant-food and soil-acidifier, for rhododendrons, kalmias, azaleas, mountain laurel, blueberries, cranberries, and many other acid-loving plants. Acidulous Fertilizer has been compounded very carefully and the ingredients contained therein are absolutely essential in producing healthy and vigorous plants. Apply at the rate of ¼ pound per square yard, and rake well into the soil. For best results, apply at least three times during the season. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$45, ton \$80.

Orders for one ton or more of assorted fertilizers at the ton rate, provided 500 pounds of a brand are ordered.

For quantities in excess of one ton, write for our special prices

GENERAL LIST OF FERTILIZERS

Fertilizers are delivered free within 50 miles of New York by truck, mail, express or freight, at our option

Adco. A culture of bacteria associated with the breaking down of organic materials. Add it to garden rubbish, leaves and grass clippings to hasten decay and quickly produce manure. 25 lbs. \$2.25, 150 lbs. \$10.50.

Aluminum Sulphate. Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. Not a fertilizer. Follow immediately with an application of Sawco Acidulous Fertilizer. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50.

Ashes, Canada Hardwood. These furnish potash. One to two tons per acre may be harrowed into land in winter or early spring. May be broadcast between rows of vegetables, 10 pounds per 100 feet. 100-lb. bag \$4, bbl. (about 200 lbs.) \$6, ton \$45.

Blood, Dried. Adds nitrogen and a small amount of phosphoric acid and lime; much used for greenhouse plants, carnations, roses, and the like. Acts quickly. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Bone, Vineyard. These large particles of bone, averaging from $\frac{1}{4}$ to $\frac{1}{2}$ inch, make an ideal fertilizer for grape-vines and fruit trees. Apply liberally, and thoroughly incorporate with the soil as deeply as possible. 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, ton \$75.

Bone Meal. Mixed fine and coarse. (For general use.) This grade is recommended for the garden and for lawns. It is quick to give results, yet the benefits are lasting. The standard food for roses; much used on hay and pasture fields. Use 1500 pounds per acre or 5 ounces to the square yard, dug or raked into the soil; use one-half this rate when top-dressing grass. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$4.50, 500 lbs. \$20, 1000 lbs. \$30, ton \$55.

Cattle Manure, Shredded. A soil-builder and ideal mulch that is especially recommended for crops in hot, sandy soils. Also ideal for mulching perennial beds. Being organic, it releases plant-food when needed, increases bacterial action, and adds humus. 100 lbs. \$5.50, 500 lbs. \$25, 1000 lbs. \$40, ton \$75.

Charcoal. Sweetens and lightens sour and heavy soils; helps to dry out wet land. Frequently used for lawns on soils in this condition. 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, 1000 lbs. \$40, ton \$75.

Clay's Fertilizer. Has a splendid reputation for flowers, vegetables, and fruit. Two to 4 ounces to the square yard, raked into the soil around the plants. 7 lbs. \$2, 14 lbs. \$3, 28 lbs. \$4.50, 56 lbs. \$8, 112 lbs. \$13.50.

Cottonseed Meal. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use $\frac{3}{4}$ to $1\frac{1}{2}$ tons per acre. 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$40, ton \$75.

Floranid (Urea). The most highly concentrated nitrogenous fertilizer in commerce, contains 46 per cent of available nitrogen, and leaves no harmful residue in the soil. Lb. 35c., 5 lbs. \$1.25, 10 lbs. \$2.25, 25 lbs. \$3.75, 100 lbs. \$9, 500 lbs. \$40.

Gypsum or Land Plaster. Widely used as a dusting for the manure pile to fix and hold nitrogen. When applied to land it furnishes lime without giving the soil an alkaline reaction. One to three tons per acre. 100 lbs. \$3.50, 500 lbs. \$15, 1000 lbs. \$27.50, ton \$40.

Lawn Sand, Climax. A concentrated fertilizer used for killing certain weeds in lawns, especially chickweed and mouse-ear. $3\frac{1}{2}$ -lb. can 85 cts., 7-lb. can \$1.65, 14-lb. can \$2.75, 28-lb. pkg. \$4.50, 56-lb. keg \$8.

Lime, Agricultural Hydrated. Corrects acid conditions of the soil, and at the same time is a plant-food. Binds loose soils and, curiously enough, opens heavy land. Quick acting. As this Lime is especially prepared for horticultural purposes, it costs more than ordinary Lime. As a winter dressing broadcast 1 ton to the acre or 6 ounces per square yard. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.25, 100 lbs. \$3.50, 500 lbs. \$12, 1000 lbs. \$18, ton \$30.

Limestone, Pulverized. 100 lbs. \$2, 500 lbs. \$9.50, ton \$20.

Muriate of Potash. Excellent for potatoes, corn, grains, etc. Use from 350 to 750 pounds per acre. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$7.

Nitrate of Soda. A plant stimulant. Adds nitrogen in a form which is immediately available to the plants. Forces a heavy, succulent growth in lettuce and similar leaf vegetables. Use $1\frac{1}{2}$ ounces per square yard, or 500 pounds to the acre, raked or harrowed in. As a liquid fertilizer, one ounce may be dissolved in one gallon of water. Lb. 25 cts., 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$1.75, 50 lbs. \$3.25, 100 lbs. \$5, 500 lbs. \$22.50, ton \$65.

Nitrophoska. Is a complete fertilizer containing 15 per cent Nitrogen, 30 per cent Phosphoric Acid, and 15 per cent Potash, all available. Clean, odorless, and practically water-soluble. Lb. 35 cts., 5 lbs. \$1.25, 10 lbs. \$2.25, 25 lbs. \$3.75, 100 lbs. \$8, 500 lbs. \$35.

Pulverized Poultry Manure. An excellent fertilizer, rich in plant-food, for all garden crops. Dig in 3 to 16 ounces per square yard, or $\frac{1}{2}$ to $2\frac{1}{2}$ tons to the acre. 100 lbs. \$5, 500 lbs. \$22.50, ton \$60.

Salt, Agricultural. Occasionally used as a top-dressing for asparagus. Also effective as a weed-killer on roadways, paths, etc. 100 lbs. \$3.75, 500 lbs. \$15, ton \$40.

Scotch Soot. A valuable plant-food. On grass, or dusted around vegetables or on the plants themselves, it discourages caterpillars, slugs, grubs, wireworms, cutworms and earthworms. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 112-lb. bag \$7, 5 bags \$30, ton \$85.

Sheep Manure. A pure, natural, nutritious, pulverized manure that is immediate and lasting in effect. In preparing a flower or vegetable bed, use it liberally and incorporate well with the soil. It is also very valuable as a liquid manure and can be used at all times with safety. Contains no weed seeds. 5 lbs. 50 cts., 10 lbs. 90 cts., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$4.50, 500 lbs. \$20, 1000 lbs. \$30, ton \$55.

Stim-U-Plant. Fertilizer in tablets. These may be placed in the soil around plants, in flower pots, or dissolved in water for a liquid fertilizer. 30 tablets 25 cts., postpaid 30 cts.; 100 tablets 75 cts., 1000 tablets \$3.50.

Stimugerm. Nitrogen-fixing bacteria for all leguminous plants. Small garden unit 25 cts., postpaid 35 cts. Large seed units, bus. 35 cts., 2 bus. 65 cts., 5 bus. \$1.40. Clover units, $\frac{1}{2}$ bus. 35 cts., bus. 65 cts., $2\frac{1}{2}$ bus. \$1.40. When ordering, state crop for which Stimugerm is desired.

Sulphate of Ammonia. When top-dressing lawns, apply one ounce per square yard, but first mix with several times its bulk of sand or soil. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.75, 100 lbs. \$6, 500 lbs. \$27.50, 1000 lbs. \$40, ton \$75.

Sulphate of Potash. Highly recommended for all acid-loving plants such as rhododendrons, azaleas, kalmias. 5 lbs. \$1, 10 lbs. \$1.75, 25 lbs. \$3, 50 lbs. \$4.50, 100 lbs. \$7.

Super-Phosphate. Adds phosphoric acid and lime. 5 lbs. 50 cts., 100 lbs. \$3.50, 500 lbs. \$15, ton \$35.

Tankage (Blood and Bone). Yields nitrogen, lime, and phosphoric acid. 100 lbs. \$6, 500 lbs. \$27.50, ton \$80.

Tobacco Fertilizer. Use 1 to $1\frac{1}{2}$ pounds to the square yard. 50 lbs. \$3, 100 lbs. \$5, 500 lbs. \$22.50, ton \$65.

Tobacco Stems. Feeds the plants, protects against cold, retains moisture, deters insects. Use from $2\frac{1}{2}$ to $3\frac{1}{2}$ tons per acre; 1 to $1\frac{1}{2}$ pounds to the square yard. Bale (about 100 lbs.) \$4.50, 5 bales \$20, 20 bales \$50.

Humus, Peat Moss, Leaf-Mold, etc.

Mulch-o-nure. Mixture of tobacco, peat, and plant-foods. Spread 1 inch thick around roses, grapes, shrubs, lilies, etc. Keeps roots cool, retains moisture, deters insects. 100 lbs. \$4.50, 500 lbs. \$20, ton \$60.

Humus. A soil ingredient, improving its texture and increasing its water-holding properties. 100 lbs. will cover 80 square feet 1 inch deep. Shipped in bags, 10 lbs. 75 cts., 50 lbs. \$2, bag (100 lbs.) \$3, 5 bags (500 lbs.) \$12.50, 20 bags (1 ton) \$35. In bulk in carload lots, minimum 20 tons. Write for Special Price.

Leaf-Mold. Used for preparing rhododendron beds and as an ingredient in potting soil. Bag (100 lbs.) \$3.50, ton (in bags) \$50.

Moss, Sheet, Natural Green. Bag (10 lbs.) \$5.

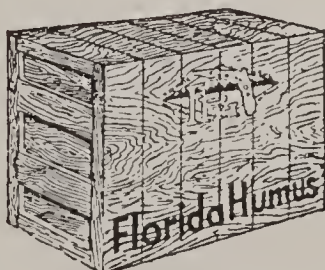
Moss, Dry Sphagnum. Large bale \$4.

Peat, Osmundi. For orchid-growing. Bbl. \$5.

Potting Soil. A fine mixture of loam, leaf-mold, and sand. Pk. \$1, bus. \$2.50.

Peat Moss. When mixed with soil it absorbs moisture and holds it for the plants. Its presence in the top layer of a lawn adds materially to the resilient, carpet-like feel of good turf. As a mulch around the roots of plants it is excellent. Large bale, 12 cubic feet (22 bus.), \$3.50; in lots of 5 bales, \$3.25 per bale; in lots of 10 bales, \$3 per bale. Small bale (2 bus.) \$1.25.

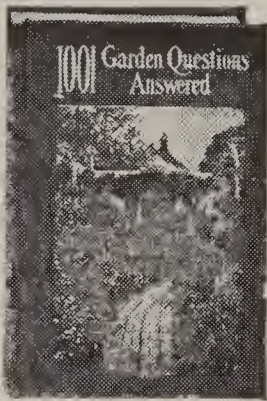
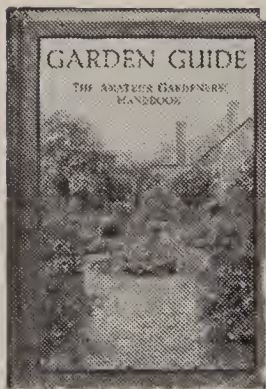
Steriloam. Specially prepared sterilized soil for use in pots or seed-pans. No weeds or parasitic fungi. 10 lbs. \$1.25, 25 lbs. \$2, 50 lbs. \$3.50, 100 lbs. \$6.



FLORIDA HUMUS

A decayed vegetable mould from underwater deposits. Full of life-giving organic matter and absolutely free from weed seeds. Air-dried. Light, clean, fluffy, and odorless. Builds up sandy soils, prevents packing of heavy soil, promotes bacterial action, and supplies natural organic nitrogen. Its benefits are both immediate and lasting. Packed in boxed bales. 100 lbs. \$3, 200-lb. bale \$5, 1000 lbs. \$25, ton \$45.

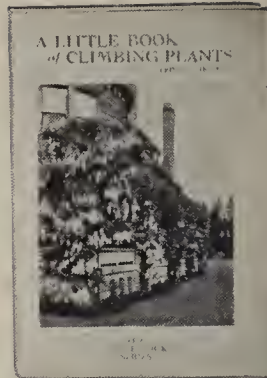
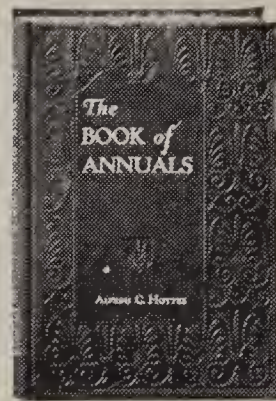
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